



*World Expert in The High Reliability Rectifier
and Diode Industry*

■ Industries We Serve

Automotive
Industrial
Power
Lighting
Networking
Portable/Handheld Electronics

■ CoolTc™

ZPAK™
SuperChip™
GPRC™

■ SCHOTTKY

SCHOTTKY BRIDGE
MOS SCHOTTKY
RECTIFIER DIODE
BRIDGE RECTIFIER
MINI BRIDGE
CoolTc™ TVS



INTRODUCTION



ZOWIE Technology Corporation founded in 1994 is a leading designer and manufacturer of advanced discrete semiconductor products. The inaugurators, Ding-Hua Hu and George Tai are the well-known leaders in the semiconductor field in Taiwan. Since there is no new significant progress in diode products for more than 20 years they decided to endeavor their efforts to this industry with innovation and futurity. So they established ZOWIE Technology Corporation to develop new technology in order to supply better and new diodes for the industrial. The leaders, George Tai who has about thirty years experience in the rectifier engineering field and Harrison Chung who is expert on I.C. package technology and fine ceramic materials, lead a team of professional researchers to improve the traditional diodes. It is ZOWIE's goal to develop "the New Generation Diodes". ZOWIE's technological experts put 4 years efforts in researching and developing the new products. Finally, ZOWIE succeed. The new product-GPRC (Glass Passivated Rectifier Chip) successfully went through the first tryout in 1995 and then it officially marketed in 1998. At the same time, the new package technology-SCD (SuperChip Diode), the very first chip package diode of the world, was available in Q2, 2001.

All the products of ZOWIE are the world's first leading technology through its own newly constructive design, manufacturing and superior materials. Up to now, ZOWIE has received numerous worldwide patents, including Taiwan, the U.S.A., Mainland China, the U.K. and Japan.



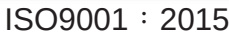
Taiwan Operation



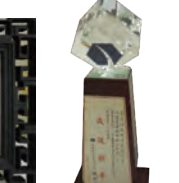
China Operation

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ISO 9001 / ISO 14064 / TS 16949 / SONY GP Certificate



PATENTS & AWARDS



CONTENTS

AEC-Q101 Qualified

SCHOTTKY BARRIER RECTIFIERS (SMD by SuperChip™)

0.1A Schottky Barrier Rectifiers	Page 01
0.2A Schottky Barrier Rectifiers	Page 01
0.3A Schottky Barrier Rectifiers	Page 01
0.5A Schottky Barrier Rectifiers	Page 01
1A Schottky Barrier Rectifiers	Page 02
2A Schottky Barrier Rectifiers	Page 03
3A Schottky Barrier Rectifiers	Page 05

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

1A General Purpose Rectifiers	Page 06
2A General Purpose Rectifiers	Page 08
3A General Purpose Rectifiers	Page 09

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

1A Fast Recovery Rectifiers	Page 10
-----------------------------------	---------

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

1A Efficiency Rectifiers	Page 10
--------------------------------	---------

SINTERED GLASS PASSIVATED JUNCTION ULTRA FAST RECTIFIERS

1A Ultra Fast Rectifiers	Page 11
--------------------------------	---------

SCHOTTKY

ULTIMATE HIGH THERMAL PERFORMANCE SCHOTTKY RECTIFIERS (CoolTc™)

8A Schottky Barrier Rectifiers	Page 12
10A Schottky Barrier Rectifiers	Page 12
15A Schottky Barrier Rectifiers	Page 12
20A Schottky Barrier Rectifiers	Page 12
25A Schottky Barrier Rectifiers	Page 12

HIGH THERMAL PERFORMANCE SCHOTTKY RECTIFIERS (ZPAK™)

0.5A Schottky Barrier Rectifiers	Page 13
1A Schottky Barrier Rectifiers	Page 13
2A Schottky Barrier Rectifiers	Page 13
3A Schottky Barrier Rectifiers	Page 13
5A Schottky Barrier Rectifiers	Page 14
8A Schottky Barrier Rectifiers	Page 14
10A Schottky Barrier Rectifiers	Page 15
15A Schottky Barrier Rectifiers	Page 15
20A Schottky Barrier Rectifiers	Page 15
30A Schottky Barrier Rectifiers	Page 15

CONTENTS

SCHOTTKY

SCHOTTKY BARRIER RECTIFIERS (SMD by SuperChip™)

0.1A Schottky Barrier Rectifiers	Page 16
0.2A Schottky Barrier Rectifiers	Page 16
0.3A Schottky Barrier Rectifiers	Page 16
0.5A Schottky Barrier Rectifiers	Page 16
1A Schottky Barrier Rectifiers	Page 17
2A Schottky Barrier Rectifiers	Page 18
3A Schottky Barrier Rectifiers	Page 19
5A Schottky Barrier Rectifiers	Page 20
8A Schottky Barrier Rectifiers	Page 21

SCHOTTKY BARRIER RECTIFIERS (Axial / SMD)

1A Schottky Barrier Rectifiers	Page 22
2A Schottky Barrier Rectifiers	Page 22
3A Schottky Barrier Rectifiers	Page 23
5A Schottky Barrier Rectifiers	Page 24
8A Schottky Barrier Rectifiers	Page 24

SCHOTTKY BARRIER RECTIFIERS (TO-220 / ITO-220)

10A Schottky Barrier Rectifiers	Page 26
20A Schottky Barrier Rectifiers	Page 26
30A Schottky Barrier Rectifiers	Page 27
40A Schottky Barrier Rectifiers	Page 27

RECTIFIERS

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

1A General Purpose Rectifiers.....	Page 28
2A General Purpose Rectifiers.....	Page 29
3A General Purpose Rectifiers.....	Page 31
10A General Purpose Rectifiers.....	Page 32

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

1A Fast Recovery Rectifiers	Page 33
2A Fast Recovery Rectifiers	Page 34
3A Fast Recovery Rectifiers	Page 35

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

0.15A High Efficiency Rectifiers	Page 36
1A High Efficiency Rectifiers	Page 36
2A High Efficiency Rectifiers	Page 37
3A High Efficiency Rectifiers	Page 38
5A High Efficiency Rectifiers	Page 38
10A High Efficiency Rectifiers	Page 39
12A High Efficiency Rectifiers	Page 39
16A High Efficiency Rectifiers	Page 39
20A High Efficiency Rectifiers	Page 39

CONTENTS

RECTIFIERS

SINTERED GLASS PASSIVATED JUNCTION ULTRA FAST RECTIFIERS

0.8A Ultra Fast Rectifiers	Page 40
1A Ultra Fast Rectifiers	Page 40
2A Ultra Fast Rectifiers	Page 41
3A Ultra Fast Rectifiers	Page 42
4A Ultra Fast Rectifiers	Page 42
5A Ultra Fast Rectifiers	Page 42
6A Ultra Fast Rectifiers	Page 43
8A Ultra Fast Rectifiers	Page 43
10A Ultra Fast Rectifiers	Page 43
16A Ultra Fast Rectifiers	Page 44
20A Ultra Fast Rectifiers	Page 44

BRIDGE

SCHOTTKY BARRIER RECTIFIERS (Mini Bridge)

1A Ultra Mini Schottky Bridge Rectifiers.....	Page 25
2A Ultra Mini Schottky Bridge Rectifiers.....	Page 25
3A Ultra Mini Schottky Bridge Rectifiers.....	Page 25

SCHOTTKY BARRIER RECTIFIERS (SuperChip™)

1A Schottky Barrier Rectifiers	Page 21
2A Schottky Barrier Rectifiers	Page 21
3A Schottky Barrier Rectifiers	Page 21

MINI BRIDGE RECTIFIERS

1A Bridge Rectifiers.....	Page 45
---------------------------	---------

HIGH THERMAL PERFORMANCE BRIDGE RECTIFIERS (ZPAK™)

1.6A Bridge Rectifiers	Page 46
2A Bridge Rectifiers	Page 46
4A Bridge Rectifiers	Page 46

HIGH THERMAL PERFORMANCE FAST RECOVERY BRIDGE RECTIFIERS (ZPAK™)

2A Bridge Rectifiers	Page 46
----------------------------	---------

HIGH THERMAL PERFORMANCE HIGH EFFICIENCY BRIDGE RECTIFIERS (ZPAK™)

2A Bridge Rectifiers	Page 46
----------------------------	---------

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

4A Bridge Rectifiers	Page 47
10A Bridge Rectifiers	Page 47

CONTENTS

PROTECTION

TRANSIENT VOLTAGE SUPPRESSORS (TVS)

200W Transient Voltage Suppressors	Page 48
400W Transient Voltage Suppressors (CoolTc™)	Page 49
400W Transient Voltage Suppressors (Superchip).....	Page 50
400W Transient Voltage Suppressors	Page 51
600W Transient Voltage Suppressors (CoolTc™).....	Page 53
600W Transient Voltage Suppressors	Page 54
1500W Transient Voltage Suppressors (CoolTc™).....	Page 56
1500W Transient Voltage Suppressors	Page 57
2000W Transient Voltage Suppressors (CoolTc™).....	Page 58

TAPING AND PACKAGING	Page 59
----------------------------	---------

CASE DRAWINGS	Page 64
---------------------	---------

PAD LAYOUTS	Page 69
-------------------	---------

NUMERICAL INDEX

1.5SMPC12CAH.....56	2.0SMPC100CAH.....58	AUBYD57ZKH.....10	AUSCD14H.....03	BEGC20KH.....37
1.5SMPC130CAH.....56	2.0SMPC110CAH.....58	AUBYD57ZM.....10	AUSCD16.....03	BEGC20MH.....37
1.5SMPC13CAH.....56	2.0SMPC120CAH.....58	AUBYD57ZMH.....10	AUSCD16H.....03	BEGC30DH.....38
1.5SMPC140CAH.....56	2.0SMPC130CAH.....58	AUCGC30G.....09	AUSCD210.....05	BEGC30GH.....38
1.5SMPC14CAH.....56	2.0SMPC140CAH.....58	AUCGC30GH.....09	AUSCD210H.....04	BEGC30JH.....38
1.5SMPC150CAH.....56	A3GPS1045UCH.....12	AUGC10D.....07	AUSCD22.....05	BEGC30KH.....38
1.5SMPC15CAH.....56	A3GPS1545UAH.....12	AUGC10DH.....07	AUSCD22H.....04	BEGC30MH.....38
1.5SMPC16CAH.....56	A3GPS2045UAH.....12	AUGC10G.....07	AUSCD24.....05	BGC20DH.....30
1.5SMPC17CAH.....56	A3GPS2545UAH.....12	AUGC10GH.....07	AUSCD24H.....04	BGC20DLH.....30
1.5SMPC18CAH.....56	A3PS8100UH.....12	AUGC10J.....07	AUSCD24U.....05	BGC20GH.....30
1.5SMPC20CAH.....56	A3PS1045UALH.....12	AUGC10JH.....07	AUSCD24UH.....04	BGC20GLH.....30
1.5SMPC22CAH.....56	A3PS1045UH.....12	AUGC10K.....07	AUSCD26.....05	BGC20JH.....30
1.5SMPC24CAH.....56	A3PS1060UH.....12	AUGC10KH.....07	AUSCD26H.....04	BGC20JLH.....30
1.5SMPC26CAH.....56	A3PS10100UH.....12	AUGC10M.....07	AUSCD310.....05	BGC20KH.....30
1.5SMPC28CAH.....56	A3PS1545UH.....12	AUGC10MH.....07	AUSCD310H.....05	BGC20KLH.....30
1.5SMPC30CAH.....56	A3PS1550UH.....12	AUGC20D.....08	AUSCD32.....05	BGC20MH.....30
1.5SMPC33CAH.....56	A3PS1560UH.....12	AUGC20DH.....08	AUSCD32H.....05	BGC20MLH.....30
1.5SMPC36CAH.....56	A3PS15100UH.....12	AUGC20G.....08	AUSCD34.....05	BGC30DH.....31
1.5SMPC40CAH.....56	A3PS2060UH.....12	AUGC20GH.....08	AUSCD34H.....05	BGC30DLH.....31
1.5SMPC43CAH.....56	A3PS20100UH.....12	AUGC20J.....08	AUSCD36.....05	BGC30GH.....31
1.5SMPC45CAH.....56	ASCD845UH.....21	AUGC20JH.....08	AUSCD36H.....05	BGC30GLH.....31
1.5SMPC48CAH.....56	ASGC10JUH.....28	AUGC20K.....08	AUSGC10D.....06	BGC30JH.....31
1.5SMPC51CAH.....56	ASGC10MUH.....28	AUGC20KH.....08	AUSGC10DH.....06	BGC30JLH.....31
1.5SMPC54CAH.....56	AUBGC20D.....08	AUGC20M.....08	AUSGC10G.....06	BGC30KH.....31
1.5SMPC58CAH.....56	AUBGC20DH.....08	AUGC20MH.....08	AUSGC10GH.....06	BGC30KLH.....31
1.5SMPC60CAH.....56	AUBGC20G.....08	AUGF10G.....07	AUSGC10J.....06	BGC30MH.....31
1.5SMPC64CAH.....56	AUBGC20GH.....08	AUGF10J.....07	AUSGC10JH.....06	BGC30MLH.....31
1.5SMPC70CAH.....56	AUBGC20J.....08	AUGF10K.....07	AUSGC10K.....06	BRGC20DH.....34
1.5SMPC75CAH.....56	AUBGC20JH.....08	AUGF10M.....07	AUSGC10KH.....06	BRGC20GH.....34
1.5SMPC78CAH.....56	AUBGC20K.....08	AUGF10G.....07	AUSGC10M.....06	BRGC20JH.....34
1.5SMPC85CAH.....56	AUBGC20KH.....08	AUGP10J.....07	AUSGC10MH.....06	BRGC20KH.....34
1.5SMPC90CAH.....56	AUBGC20M.....08	AUGP10K.....07	AUSSCD052.....02	BRGC20MH.....34
1.5SMPC100CAH.....56	AUBGC20MH.....08	AUGP10M.....07	AUSSCD052H.....02	BRGC30DH.....35
1.5SMPC110CAH.....56	AUBGC30D.....09	AUGP20G.....08	AUSSCD054.....02	BRGC30GH.....35
1.5SMPC11CAH.....56	AUBGC30DH.....09	AUGP20J.....08	AUSSCD054H.....02	BRGC30JH.....35
1.5SMPC120CAH.....56	AUBGC30G.....09	AUGP20K.....08	AUSSCD102.....03	BRGC30KH.....35
1N5817.....22	AUBGC30GH.....09	AUGP20M.....08	AUSSCD102H.....03	BRGC30MH.....35
1N5818.....22	AUBGC30J.....09	AUMGC10J.....06	AUSSCD104.....03	BSCD210H.....19
1N5819.....22	AUBGC30JH.....09	AUMGC10JH.....06	AUSSCD104H.....03	BSCD22H.....19
1N5820.....23	AUBGC30K.....09	AUMGC10M.....06	AUSSCD106.....03	BSCD24H.....19
1N5821.....23	AUBGC30KH.....09	AUMGC10MH.....06	AUSSCD106H.....03	BSCD26H.....19
1N5822.....23	AUBGC30M.....09	AUMSCD012.....01	AUSSCD110.....03	BSCD310H.....20
2.0SMPC11CAH.....58	AUBGC30MH.....09	AUMSCD012H.....01	AUSSCD110H.....03	BSCD32H.....20
2.0SMPC12CAH.....58	AUBYD167Z.....11	AUMSCD014.....01	AUSSCD202.....04	BSCD345MH.....20
2.0SMPC13CAH.....58	AUBYD167ZH.....11	AUMSCD014H.....01	AUSSCD202H.....04	BSCD34H.....20
2.0SMPC14CAH.....58	AUBYD17ZD.....07	AUMSCD052.....02	AUSSCD204.....04	BSCD36H.....20
2.0SMPC15CAH.....58	AUBYD17ZDH.....06	AUMSCD052H.....02	AUSSCD204H.....04	BSCD54DH.....21
2.0SMPC16CAH.....58	AUBYD17ZG.....07	AUMSCD053.....02	AUSSCD206.....04	BSCD545UH.....21
2.0SMPC17CAH.....58	AUBYD17ZGH.....06	AUMSCD053H.....02	AUSSCD206H.....04	BSCD545ULH.....21
2.0SMPC18CAH.....58	AUBYD17ZJ.....07	AUMSCD054.....02	AUSSCD210.....04	BSCD54H.....21
2.0SMPC20CAH.....58	AUBYD17ZJH.....06	AUMSCD054H.....02	AUSSCD210H.....04	BSCD56H.....21
2.0SMPC22CAH.....58	AUBYD17ZK.....07	AUMSCD102.....03	AUSUGC10J.....11	BSCD510H.....21
2.0SMPC24CAH.....58	AUBYD17ZKH.....06	AUMSCD102H.....02	AUSUGC10JH.....11	BSCD510UH.....21
2.0SMPC26CAH.....58	AUBYD17ZM.....07	AUMSCD104.....03	AUUGC10D.....11	BSCD84H.....21
2.0SMPC28CAH.....58	AUBYD17ZMH.....06	AUMSCD104H.....02	AUUGC10DH.....11	BUGC20DH.....41
2.0SMPC30CAH.....58	AUBYD37ZD.....10	AUMSCD106.....03	AUUGC10G.....11	BUGC20GH.....41
2.0SMPC33CAH.....58	AUBYD37ZDH.....10	AUMSCD106H.....02	AUUGC10GH.....11	BUGC20JH.....41
2.0SMPC36CAH.....58	AUBYD37ZG.....10	AUMSCD202.....04	AUUGC10J.....11	BUGC20KH.....41
2.0SMPC40CAH.....58	AUBYD37ZGH.....10	AUMSCD202H.....04	AUUGC10JH.....11	BUGC30DH.....42
2.0SMPC43CAH.....58	AUBYD37ZJ.....10	AUMSCD204.....04	AUUGC10K.....11	BUGC30GH.....42
2.0SMPC45CAH.....58	AUBYD37ZJH.....10	AUMSCD204H.....04	AUUGC10KH.....11	BUGC30JH.....42
2.0SMPC48CAH.....58	AUBYD37ZK.....10	AUMSCD302.....05	AUUSCD024R.....01	BUGC30KH.....42
2.0SMPC51CAH.....58	AUBYD37ZKH.....10	AUMSCD302H.....05	AUUSCD024RH.....01	BYD127ZH.....40
2.0SMPC54CAH.....58	AUBYD37ZM.....10	AUMSCD304.....05	AUUSCD034.....01	BYD147ZH.....40
2.0SMPC58CAH.....58	AUBYD37ZMH.....10	AUMSCD304H.....05	AUUSCD034H.....01	BYD167ZH.....40
2.0SMPC60CAH.....58	AUBYD57ZD.....10	AUMSCD306.....05	AUUSCD054.....02	BYD17ZDH.....28
2.0SMPC64CAH.....58	AUBYD57ZDH.....10	AUMSCD306H.....05	AUUSCD054H.....01	BYD17ZGH.....28
2.0SMPC70CAH.....58	AUBYD57ZG.....10	AUSCD110.....03	AUZ2PK204.....04	BYD17ZJH.....28
2.0SMPC75CAH.....58	AUBYD57ZGH.....10	AUSCD110H.....03	AUZ2PK204H.....03	BYD17ZKH.....28
2.0SMPC78CAH.....58	AUBYD57ZJ.....10	AUSCD12.....03	BEGC20DH.....37	BYD17ZMH.....28
2.0SMPC85CAH.....58	AUBYD57ZJH.....10	AUSCD12H.....03	BEGC20GH.....37	BYD187ZH.....40
2.0SMPC90CAH.....58	AUBYD57ZK.....10	AUSCD14.....03	BEGC20JH.....37	BYD37ZDH.....33

NUMERICAL INDEX

BYD37ZGH	33	EGZ10DCF	39	GF20ML	30	MSCD022H	16	P4KE36A	52
BYD37ZJH	33	EGZ10DCT	39	GF30D	32	MSCD024H	16	P4KE36CA	52
BYD37ZKH	33	EGZ10GCF	39	GF30DL	32	MSCD032H	16	P4KE380A	52
BYD37ZMH	33	EGZ10GCT	39	GF30G	32	MSCD034H	16	P4KE380CA	52
BYD57ZDH	36	EGZ10JCF	39	GF30GL	32	MSCD052H	17	P4KE39A	52
BYD57ZGH	36	EGZ10JCT	39	GF30J	32	MSCD053H	17	P4KE39CA	52
BYD57ZJH	36	EGZ12DCF	39	GF30JL	32	MSCD053RH	17	P4KE400A	52
BYD57ZKH	36	EGZ12DCT	39	GF30K	32	MSCD054H	17	P4KE400CA	52
BYD57ZMH	36	EGZ12GCF	39	GF30KL	32	MSCD102H	17	P4KE43A	52
BYD77ZDH	40	EGZ12GCT	39	GF30M	32	MSCD104H	17	P4KE43CA	52
BYD77ZGH	40	EGZ12JCF	39	GF30ML	32	MSCD104RH	17	P4KE440A	52
CGC30DH	31	EGZ12JCT	39	GP02-20	29	MSCD106H	17	P4KE440CA	52
CGC30DLH	31	EGZ16DCF	39	GP100G	32	MSCD106RH	17	P4KE47A	52
CGC30GH	31	EGZ16DCT	39	GP100GC	32	MSCD202H	18	P4KE47CA	52
CGC30GLH	31	EGZ16GCF	39	GP10D	29	MSCD204H	18	P4KE500A	52
CGC30JH	31	EGZ16GCT	39	GP10DL	29	MSCD302H	19	P4KE500CA	52
CGC30JLH	31	EGZ16JCF	39	GP10G	29	MSCD304H	19	P4KE51A	52
CGC30KH	31	EGZ16JCT	39	GP10GL	29	MSCD306H	19	P4KE51CA	52
CGC30KLH	31	EGZ20DCF	39	GP10J	29	MUR420	42	P4KE520A	52
CGC30MH	31	EGZ20DCT	39	GP10JL	29	MUR460	42	P4KE520CA	52
CGC30MLH	31	EGZ20GCF	39	GP10K	29	P4KE100A	52	P4KE550A	52
CSCD310H	20	EGZ20GCT	39	GP10KL	29	P4KE100CA	52	P4KE550CA	52
CSCD32H	20	EGZ20JCF	39	GP10M	29	P4KE10A	52	P4KE56A	52
CSCD34H	20	EGZ20JCT	39	GP10ML	29	P4KE10CA	52	P4KE56CA	52
CSCD36H	20	GBPS402LF	47	GP10Q	29	P4KE110A	52	P4KE6.8A	52
CSCD510H	21	GBPS404LF	47	GP10V	29	P4KE110CA	52	P4KE6.8CA	52
CSCD515H	21	GBPS406LF	47	GP10Y	29	P4KE11A	52	P4KE600A	52
CSCD52H	21	GBPS408LF	47	GP20D	30	P4KE11CA	52	P4KE600CA	52
CSCD54H	21	GBPS410LF	47	GP20DL	30	P4KE120A	52	P4KE62A	52
CSCD56H	21	GBU1008UL	47	GP20G	30	P4KE120CA	52	P4KE62CA	52
EGC10DH	36	GC10DH	28	GP20GL	30	P4KE12A	52	P4KE68A	52
EGC10GH	36	GC10DLH	28	GP20J	30	P4KE12CA	52	P4KE68CA	52
EGC10JH	36	GC10GH	28	GP20JL	30	P4KE130A	52	P4KE7.5A	52
EGC10KH	36	GC10GLH	28	GP20K	30	P4KE130CA	52	P4KE7.5CA	52
EGC10MH	36	GC10JH	28	GP20KL	30	P4KE13A	52	P4KE75A	52
EGC20DH	37	GC10JLH	28	GP20M	30	P4KE13CA	52	P4KE75CA	52
EGC20GH	37	GC10KH	28	GP20ML	30	P4KE150A	52	P4KE8.2A	52
EGC20JH	37	GC10KLH	28	GP30D	31	P4KE150CA	52	P4KE8.2CA	52
EGC20KH	37	GC10MH	28	GP30DL	31	P4KE15A	52	P4KE82A	52
EGC20MH	37	GC10MLH	28	GP30G	31	P4KE15CA	52	P4KE82CA	52
EGF10D	37	GC20DH	29	GP30GL	31	P4KE160A	52	P4KE9.1A	52
EGF10G	37	GC20DLH	29	GP30J	31	P4KE160CA	52	P4KE9.1CA	52
EGF10J	37	GC20GH	29	GP30JL	31	P4KE16A	52	P4KE91A	52
EGF10K	37	GC20GLH	29	GP30K	31	P4KE16CA	52	P4KE91CA	52
EGF10M	37	GC20JH	29	GP30KL	31	P4KE170A	52	P6KE100A	55
EGF20D	37	GC20JLH	29	GP30M	31	P4KE170CA	52	P6KE100CA	55
EGF20G	37	GC20KH	29	GP30ML	31	P4KE180A	52	P6KE10A	55
EGF20J	37	GC20KLH	29	LX10M	45	P4KE180CA	52	P6KE10CA	55
EGF20K	37	GC20MH	29	MBCR10EJH	45	P4KE18A	52	P6KE110A	55
EGF20M	37	GC20MLH	29	MBCR10EKH	45	P4KE18CA	52	P6KE110CA	55
EGF30D	38	GF02-20	29	MBCR10EMH	45	P4KE200A	52	P6KE11A	55
EGF30G	38	GF10D	29	MBCR10MPH	45	P4KE200CA	52	P6KE11CA	55
EGF30J	38	GF10DL	29	MBR10100CFSH	26	P4KE20A	52	P6KE120A	55
EGF30K	38	GF10G	29	MBR10100CTSH	26	P4KE20CA	52	P6KE120CA	55
EGF30M	38	GF10GL	29	MBR10150CFSH	26	P4KE220A	52	P6KE12A	55
EGP10D	36	GF10J	29	MBR10150CTSH	26	P4KE220CA	52	P6KE12CA	55
EGP10G	36	GF10JL	29	MBR10200CFSH	26	P4KE22A	52	P6KE130A	55
EGP10J	36	GF10K	29	MBR10200CTSH	26	P4KE22CA	52	P6KE130CA	55
EGP10K	36	GF10KL	29	MBR20100CFSH	26	P4KE24A	52	P6KE13A	55
EGP10M	36	GF10M	29	MBR20100CTSH	26	P4KE24CA	52	P6KE13CA	55
EGP20D	37	GF10ML	29	MBR20150CFSH	26	P4KE250A	52	P6KE150A	55
EGP20G	37	GF10Q	29	MBR20150CTSH	26	P4KE250CA	52	P6KE150CA	55
EGP20J	37	GF10Y	29	MBR20200CFSH	26	P4KE27A	52	P6KE15A	55
EGP20K	37	GF20D	30	MBR20200CTSH	26	P4KE27CA	52	P6KE15CA	55
EGP20M	37	GF20DL	30	MBR30100CFSH	27	P4KE300A	52	P6KE160A	55
EGP30D	38	GF20G	30	MBR30100CTSH	27	P4KE300CA	52	P6KE160CA	55
EGP30G	38	GF20GL	30	MBR30150CFSH	27	P4KE30A	52	P6KE16A	55
EGP30J	38	GF20J	30	MBR30150CTSH	27	P4KE30CA	52	P6KE16CA	55
EGP30K	38	GF20JL	30	MBR30200CFSH	27	P4KE33A	52	P6KE170A	55
EGP30M	38	GF20K	30	MBR30200CTSH	27	P4KE33CA	52	P6KE170CA	55
EGP50D	38	GF20KL	30	MSCD012H	16	P4KE350A	52	P6KE180A	55
EGP50G	38	GF20M	30	MSCD014H	16	P4KE350CA	52	P6KE180CA	55

NUMERICAL INDEX

P6KE18A.....	55	RGC10JH.....	33	SB3150.....	24	SCD345PH.....	20	SMAJ13CA.....	51
P6KE18CA.....	55	RGC10KH.....	33	SB320.....	24	SCD345UH.....	20	SMAJ140A.....	51
P6KE200A.....	55	RGC10MH.....	33	SB3200.....	24	SCD34H.....	20	SMAJ140CA.....	51
P6KE200CA.....	55	RGC10MLH.....	33	SB340.....	24	SCD36H.....	20	SMAJ14A.....	51
P6KE20A.....	55	RGC20DH.....	34	SB360.....	24	SCD36MH.....	20	SMAJ14CA.....	51
P6KE20CA.....	55	RGC20GH.....	34	SB5100.....	24	SCD36RH.....	20	SMAJ150A.....	51
P6KE220A.....	55	RGC20JH.....	34	SB5150.....	24	SCD36ULH.....	20	SMAJ150CA.....	51
P6KE220CA.....	55	RGC20KH.....	34	SB520.....	24	SCD510H.....	20	SMAJ15A.....	51
P6KE22A.....	55	RGC20MH.....	34	SB5200.....	24	SCD53H.....	20	SMAJ15CA.....	51
P6KE22CA.....	55	RGF10D.....	34	SB540.....	24	SCD545H.....	20	SMAJ160A.....	51
P6KE24A.....	55	RGF10G.....	34	SB560.....	24	SCD545UH.....	20	SMAJ160CA.....	51
P6KE24CA.....	55	RGF10J.....	34	SB840.....	24	SCD54H.....	20	SMAJ16A.....	51
P6KE250A.....	55	RGF10JA.....	34	SB860.....	24	SCD56UH.....	20	SMAJ16CA.....	51
P6KE250CA.....	55	RGF10K.....	34	SBL1040CFSH.....	26	SCD5817H.....	18	SMAJ170A.....	51
P6KE27A.....	55	RGF10KA.....	34	SBL1040CTSH.....	26	SCD5818H.....	18	SMAJ170CA.....	51
P6KE27CA.....	55	RGF10M.....	34	SBL1045CFSH.....	26	SCD5819H.....	18	SMAJ17A.....	51
P6KE300A.....	55	RGF10MA.....	34	SBL1045CTSH.....	26	SEGC10DH.....	36	SMAJ17CA.....	51
P6KE300CA.....	55	RGF20D.....	35	SBL1060CFSH.....	26	SEGC10GH.....	36	SMAJ180A.....	51
P6KE30A.....	55	RGF20G.....	35	SBL1060CTSH.....	26	SEGC10JH.....	36	SMAJ180CA.....	51
P6KE30CA.....	55	RGF20J.....	35	SBL2040CFSH.....	26	SEGC10KH.....	36	SMAJ18A.....	51
P6KE33A.....	55	RGF20JA.....	35	SBL2040CTSH.....	26	SEGC10MH.....	36	SMAJ18CA.....	51
P6KE33CA.....	55	RGF20K.....	35	SBL2045CFSH.....	26	SGC10DH.....	28	SMAJ190A.....	51
P6KE350A.....	55	RGF20KA.....	35	SBL2045CTSH.....	26	SGC10DLH.....	28	SMAJ190CA.....	51
P6KE350CA.....	55	RGF20M.....	35	SBL2045U.....	27	SGC10GH.....	28	SMAJ19A.....	51
P6KE36A.....	55	RGF20MA.....	35	SBL2060CFSH.....	26	SGC10GLH.....	28	SMAJ19CA.....	51
P6KE36CA.....	55	RGF30D.....	35	SBL2060CTSH.....	26	SGC10JH.....	28	SMAJ200A.....	51
P6KE380A.....	55	RGF30G.....	35	SBL3040CFSH.....	27	SGC10JLH.....	28	SMAJ200CA.....	51
P6KE380CA.....	55	RGF30J.....	35	SBL3040CTSH.....	27	SGC10KH.....	28	SMAJ20A.....	51
P6KE39A.....	55	RGF30JA.....	35	SBL3045CFSH.....	27	SGC10KLH.....	28	SMAJ20CA.....	51
P6KE39CA.....	55	RGF30K.....	35	SBL3045CTSH.....	27	SGC10MH.....	28	SMAJ220A.....	51
P6KE400A.....	55	RGF30KA.....	35	SBL3060CFSH.....	27	SGC10MLH.....	28	SMAJ220CA.....	51
P6KE400CA.....	55	RGF30M.....	35	SBL3060CTSH.....	27	SLX104MH.....	25	SMAJ22A.....	51
P6KE43A.....	55	RGF30MA.....	35	SBLD2045CUA.....	27	SLX106UH.....	25	SMAJ22CA.....	51
P6KE43CA.....	55	RGF30MA.....	35	SBLD4045CU.....	27	SLX204MAH.....	25	SMAJ24A.....	51
P6KE440A.....	55	RGF30MA.....	35	SC310.....	23	SLX204MH.....	25	SMAJ24CA.....	51
P6KE440CA.....	55	RGF30MA.....	35	SC310H.....	23	SLX204UH.....	25	SMAJ250A.....	51
P6KE47A.....	55	RGF30MA.....	35	SC32.....	23	SLX206UH.....	25	SMAJ250CA.....	51
P6KE47CA.....	55	RGF30MA.....	35	SC32H.....	23	SMA6C100CAH.....	53	SMAJ26A.....	51
P6KE500A.....	55	RGF30MA.....	35	SC34.....	23	SMA6C26CAH.....	53	SMAJ26CA.....	51
P6KE500CA.....	55	RGF30MA.....	35	SC34H.....	23	SMA6C28CAH.....	53	SMAJ28A.....	51
P6KE51A.....	55	RGF30MA.....	35	SC36.....	23	SMA6C30CAH.....	53	SMAJ28CA.....	51
P6KE51CA.....	55	RGF30MA.....	35	SC36H.....	23	SMA6C33CAH.....	53	SMAJ300A.....	51
P6KE520A.....	55	RGF30MA.....	35	SC510.....	24	SMA6C36CAH.....	53	SMAJ300CA.....	51
P6KE520CA.....	55	RGF30MA.....	35	SC510H.....	24	SMA6C40CAH.....	53	SMAJ30A.....	51
P6KE550A.....	55	RGF30MA.....	35	SC52.....	24	SMA6C43CAH.....	53	SMAJ30CA.....	51
P6KE550CA.....	55	RGF30MA.....	35	SC52H.....	24	SMA6C45CAH.....	53	SMAJ33A.....	51
P6KE56A.....	55	RGF30MA.....	35	SC54.....	24	SMA6C48CAH.....	53	SMAJ33CA.....	51
P6KE56CA.....	55	RGF30MA.....	35	SC54H.....	24	SMA6C51CAH.....	53	SMAJ33CA.....	51
P6KE6.8A.....	55	RGF30MA.....	35	SC56.....	24	SMA6C54CAH.....	53	SMAJ350A.....	51
P6KE6.8CA.....	55	RGF30MA.....	35	SC56H.....	24	SMA6C58CAH.....	53	SMAJ350CA.....	51
P6KE600A.....	55	RGF30MA.....	35	SCD110H.....	18	SMA6C60CAH.....	53	SMAJ36A.....	51
P6KE600CA.....	55	RGF30MA.....	35	SCD115H.....	18	SMA6C64CAH.....	53	SMAJ36CA.....	51
P6KE62A.....	55	RGF30MA.....	35	SCD120H.....	18	SMA6C70CAH.....	53	SMAJ400A.....	51
P6KE62CA.....	55	RGF30D.....	35	SCD12H.....	18	SMA6C75CAH.....	53	SMAJ40A.....	51
P6KE68A.....	55	RGF30G.....	35	SCD14H.....	18	SMA6C78CAH.....	53	SMAJ40CA.....	51
P6KE68CA.....	55	RGF30J.....	35	SCD14RH.....	18	SMA6C85CAH.....	53	SMAJ43A.....	51
P6KE7.5A.....	55	RGF30JA.....	35	SCD16H.....	18	SMA6C90CAH.....	53	SMAJ43CA.....	51
P6KE7.5CA.....	55	RGF30K.....	35	SCD210H.....	19	SMAJ100A.....	51	SMAJ440A.....	51
P6KE75A.....	55	RGF30KA.....	35	SCD215H.....	19	SMAJ100CA.....	51	SMAJ440CA.....	51
P6KE75CA.....	55	RGF30M.....	35	SCD220H.....	19	SMAJ10A.....	51	SMAJ45A.....	51
P6KE8.2A.....	55	RGF30MA.....	35	SCD22H.....	19	SMAJ10CA.....	51	SMAJ45CA.....	51
P6KE8.2CA.....	55	SB1100.....	22	SCD245UH.....	19	SMAJ110A.....	51	SMAJ48A.....	51
P6KE82A.....	55	SB120.....	22	SCD24DH.....	19	SMAJ110CA.....	51	SMAJ48CA.....	51
P6KE82CA.....	55	SB140.....	22	SCD24H.....	19	SMAJ11A.....	51	SMAJ5.0A.....	51
P6KE9.1A.....	55	SB160.....	22	SCD24UH.....	19	SMAJ11CA.....	51	SMAJ5.0CA.....	51
P6KE9.1CA.....	55	SB2100.....	23	SCD26H.....	19	SMAJ120A.....	51	SMAJ51A.....	51
P6KE91A.....	55	SB2150.....	23	SCD310H.....	20	SMAJ120CA.....	51	SMAJ51CA.....	51
P6KE91CA.....	55	SB220.....	23	SCD315H.....	20	SMAJ12A.....	51	SMAJ54A.....	51
RB520G-30GH.....	16	SB2200.....	23	SCD320H.....	20	SMAJ12CA.....	51	SMAJ54CA.....	51
RB521G-30GH.....	16	SB240.....	23	SCD32H.....	20	SMAJ130A.....	51	SMAJ58A.....	51
RGC10DH.....	33	SB260.....	23	SCD345H.....	20	SMAJ130CA.....	51	SMAJ58CA.....	51
RGC10GH.....	33	SB3100.....	24	SCD345MH.....	20	SMAJ13A.....	51	SMAJ6.0A.....	51

NUMERICAL INDEX

SMAJ6.0CA	51	SMBJ18CA	54	SMBJ8.5CA	54	SMCJ350CA	54	SMF4C70CAH.....	49
SMAJ6.5A	51	SMBJ190A	54	SMBJ80A	54	SMCJ36A	54	SMF4C75CAH.....	49
SMAJ6.5CA	51	SMBJ190CA	54	SMBJ80CA	54	SMCJ36CA	54	SMF4C78CAH.....	49
SMAJ60A	51	SMBJ19A	54	SMBJ85A	54	SMCJ400A	54	SMF4C85CAH.....	49
SMAJ60CA	51	SMBJ19CA	54	SMBJ85CA	54	SMCJ400CA	54	SMF4C90CAH.....	49
SMAJ64A	51	SMBJ200A	54	SMBJ9.0A	54	SMCJ40A	54	SRGC10DH	33
SMAJ64CA	51	SMBJ200CA	54	SMBJ9.0CA	54	SMCJ40CA	54	SRGC10GH	33
SMAJ7.0A	51	SMBJ20A	54	SMBJ90A	54	SMCJ43A	54	SRGC10JH	33
SMAJ7.0CA	51	SMBJ20CA	54	SMBJ90CA	54	SMCJ43CA	54	SRGC10KH	33
SMAJ7.5A	51	SMBJ220A	54	SMCJ100A	57	SMCJ440A	57	SRGC10MH	33
SMAJ7.5CA	51	SMBJ220CA	54	SMCJ100CA	57	SMCJ440CA	57	SS110	22
SMAJ70A	51	SMBJ22A	54	SMCJ10A	57	SMCJ45A	57	SS110H	22
SMAJ70CA	51	SMBJ22CA	54	SMCJ10CA	57	SMCJ45CA	57	SS12	22
SMAJ75A	51	SMBJ24A	54	SMCJ110A	57	SMCJ48A	57	SS12H	22
SMAJ75CA	51	SMBJ24CA	54	SMCJ110CA	57	SMCJ48CA	57	SS14	22
SMAJ78A	51	SMBJ250A	54	SMCJ11A	57	SMCJ5.0A	57	SS14H	22
SMAJ78CA	51	SMBJ250CA	54	SMCJ11CA	57	SMCJ5.0CA	57	SS16	22
SMAJ8.0A	51	SMBJ26A	54	SMCJ120A	57	SMCJ51A	57	SS16H	22
SMAJ8.0CA	51	SMBJ26CA	54	SMCJ120CA	57	SMCJ51CA	57	SS210	22
SMAJ8.5A	51	SMBJ28A	54	SMCJ12A	57	SMCJ54A	57	SS210H	22
SMAJ8.5CA	51	SMBJ28CA	54	SMCJ12CA	57	SMCJ54CA	57	SS22	22
SMAJ80A	51	SMBJ300A	54	SMCJ130A	57	SMCJ58A	57	SS22H	22
SMAJ80CA	51	SMBJ300CA	54	SMCJ130CA	57	SMCJ58CA	57	SS24	22
SMAJ85A	51	SMBJ30A	54	SMCJ13A	57	SMCJ6.0A	57	SS24H	22
SMAJ85CA	51	SMBJ30CA	54	SMCJ13CA	57	SMCJ6.0CA	57	SS26	22
SMAJ9.0A	51	SMBJ33A	54	SMCJ140A	57	SMCJ6.5A	57	SS26H	22
SMAJ9.0CA	51	SMBJ33CA	54	SMCJ140CA	57	SMCJ6.5CA	57	SS310	23
SMAJ90A	51	SMBJ350A	54	SMCJ14A	57	SMCJ60A	57	SS310H	23
SMAJ90CA	51	SMBJ350CA	54	SMCJ14CA	57	SMCJ60CA	57	SS32	23
SMBC104H	25	SMBJ36A	54	SMCJ150A	57	SMCJ64A	57	SS32H	23
SMBC106H	25	SMBJ36CA	54	SMCJ150CA	57	SMCJ64CA	57	SS34	23
SMBC110H	25	SMBJ400A	54	SMCJ15A	57	SMCJ7.0A	57	SS34H	23
SMBC204H	25	SMBJ400CA	54	SMCJ15CA	57	SMCJ7.0CA	57	SS36	23
SMBC206H	25	SMBJ40A	54	SMCJ160A	57	SMCJ7.5A	57	SS36H	23
SMBC210H	25	SMBJ40CA	54	SMCJ160CA	57	SMCJ7.5CA	57	SSCD052H	17
SMBC304MH	25	SMBJ43A	54	SMCJ16A	57	SMCJ70A	57	SSCD052SH	17
SMBC306MH	25	SMBJ43CA	54	SMCJ16CA	57	SMCJ70CA	57	SSCD052TH	17
SMBJ100A	54	SMBJ440A	54	SMCJ170A	57	SMCJ75A	57	SSCD054H	17
SMBJ100CA	54	SMBJ440CA	54	SMCJ170CA	57	SMCJ75CA	57	SSCD054SH	17
SMBJ10A	54	SMBJ45A	54	SMCJ17A	57	SMCJ78A	57	SSCD056H	17
SMBJ10CA	54	SMBJ45CA	54	SMCJ17CA	57	SMCJ78CA	57	SSCD056SH	17
SMBJ110A	54	SMBJ48A	54	SMCJ180A	57	SMCJ8.0A	57	SSCD102H	18
SMBJ110CA	54	SMBJ48CA	54	SMCJ180CA	57	SMCJ8.0CA	57	SSCD102SH	17
SMBJ11A	54	SMBJ5.0A	54	SMCJ18A	57	SMCJ8.5A	57	SSCD104H	18
SMBJ11CA	54	SMBJ5.0CA	54	SMCJ18CA	57	SMCJ8.5CA	57	SSCD104RH	18
SMBJ120A	54	SMBJ51A	54	SMCJ190A	57	SMCJ80A	57	SSCD104RSH	17
SMBJ120CA	54	SMBJ51CA	54	SMCJ190CA	57	SMCJ80CA	57	SSCD104SH	17
SMBJ12A	54	SMBJ54A	54	SMCJ19A	57	SMCJ85A	57	SSCD104TH	18
SMBJ12CA	54	SMBJ54CA	54	SMCJ19CA	57	SMCJ85CA	57	SSCD104TSH	17
SMBJ130A	54	SMBJ58A	54	SMCJ200A	57	SMCJ9.0A	57	SSCD106H	18
SMBJ130CA	54	SMBJ58CA	54	SMCJ200CA	57	SMCJ9.0CA	57	SSCD106SH	17
SMBJ13A	54	SMBJ6.0A	54	SMCJ20A	57	SMCJ90A	57	SSCD110H	18
SMBJ13CA	54	SMBJ6.0CA	54	SMCJ20CA	57	SMCJ90CA	57	SSCD110SH	17
SMBJ140A	54	SMBJ6.5A	54	SMCJ220A	57	SMF4C100CAH.....	49	SSCD115H	18
SMBJ140CA	54	SMBJ6.5CA	54	SMCJ220CA	57	SMF4C18CAH.....	49	SSCD120H	18
SMBJ14A	54	SMBJ60A	54	SMCJ22A	57	SMF4C20CAH.....	49	SSCD202H	19
SMBJ14CA	54	SMBJ60CA	54	SMCJ22CA	57	SMF4C22CAH.....	49	SSCD202SH	18
SMBJ150A	54	SMBJ64A	54	SMCJ24A	57	SMF4C24CAH.....	49	SSCD204H	19
SMBJ150CA	54	SMBJ64CA	54	SMCJ24CA	57	SMF4C26CAH.....	49	SSCD204SH	18
SMBJ15A	54	SMBJ7.0A	54	SMCJ250A	57	SMF4C28CAH.....	49	SSCD204USH	18
SMBJ15CA	54	SMBJ7.0CA	54	SMCJ250CA	57	SMF4C30CAH.....	49	SSCD206H	19
SMBJ160A	54	SMBJ7.5A	54	SMCJ26A	57	SMF4C33CAH.....	49	SSCD206SH	18
SMBJ160CA	54	SMBJ7.5CA	54	SMCJ26CA	57	SMF4C36CAH.....	49	SSCD210H	19
SMBJ16A	54	SMBJ70A	54	SMCJ28A	57	SMF4C40CAH.....	49	SSCD210SH	18
SMBJ16CA	54	SMBJ70CA	54	SMCJ28CA	57	SMF4C43CAH.....	49	SSCD210SH	18
SMBJ170A	54	SMBJ75A	54	SMCJ300A	57	SMF4C45CAH.....	49	SSCD304SH	19
SMBJ170CA	54	SMBJ75CA	54	SMCJ300CA	57	SMF4C48CAH.....	49	SSCD306SH	19
SMBJ17A	54	SMBJ78A	54	SMCJ30A	57	SMF4C51CAH.....	49	STCD100AH	48
SMBJ17CA	54	SMBJ78CA	54	SMCJ30CA	57	SMF4C54CAH.....	49	STCD100CAH	48
SMBJ180A	54	SMBJ8.0A	54	SMCJ33A	57	SMF4C58CAH.....	49	STCD10AH	48
SMBJ180CA	54	SMBJ8.0CA	54	SMCJ33CA	57	SMF4C60CAH.....	49	STCD10CAH	48
SMBJ18A	54	SMBJ8.5A	54	SMCJ350A	57	SMF4C64CAH.....	49	STCD110AH	48
								STCD110CAH	48

NUMERICAL INDEX

STCD11AH.....48	STCD64AH.....48	TCD22CAH.....50	UGF20G.....41	Z2APK34H.....14
STCD11CAH.....48	STCD64CAH.....48	TCD24AH.....50	UGF20J.....41	Z2APK36H.....14
STCD120AH.....48	STCD7.0AH.....48	TCD24CAH.....50	UGF20K.....41	Z2APK510H.....14
STCD120CAH.....48	STCD7.0CAH.....48	TCD26AH.....50	UGF30D.....42	Z2APK515H.....14
STCD12AH.....48	STCD7.5AH.....48	TCD26CAH.....50	UGF30G.....42	Z2APK520H.....14
STCD12CAH.....48	STCD7.5CAH.....48	TCD28AH.....50	UGF30J.....42	Z2APK54H.....14
STCD130AH.....48	STCD70AH.....48	TCD28CAH.....50	UGF30K.....42	Z2APK54MH.....14
STCD130CAH.....48	STCD70CAH.....48	TCD30AH.....50	UGP10D.....40	Z2APK56H.....14
STCD13AH.....48	STCD75AH.....48	TCD30CAH.....50	UGP10G.....40	Z2PK102H.....13
STCD13CAH.....48	STCD75CAH.....48	TCD33AH.....50	UGP10J.....40	Z2PK104H.....13
STCD140AH.....48	STCD78AH.....48	TCD33CAH.....50	UGP10K.....40	Z2PK106H.....13
STCD140CAH.....48	STCD78CAH.....48	TCD36AH.....50	UGP20D.....41	Z2PK110H.....13
STCD14AH.....48	STCD8.0AH.....48	TCD36CAH.....50	UGP20G.....41	Z2PK115H.....13
STCD14CAH.....48	STCD8.0CAH.....48	TCD40AH.....50	UGP20J.....41	Z2PK120H.....13
STCD150AH.....48	STCD8.5AH.....48	TCD40CAH.....50	UGP20K.....41	Z2PK202H.....13
STCD150CAH.....48	STCD8.5CAH.....48	TCD43AH.....50	UGP30D.....42	Z2PK204H.....13
STCD15AH.....48	STCD80AH.....48	TCD43CAH.....50	UGP30G.....42	Z2PK206H.....13
STCD15CAH.....48	STCD80CAH.....48	TCD45AH.....50	UGP30J.....42	Z2PK210H.....13
STCD160AH.....48	STCD85AH.....48	TCD45CAH.....50	UGP30K.....42	Z2PK215H.....13
STCD160CAH.....48	STCD85CAH.....48	TCD48AH.....50	UGP50D.....42	Z2PK220H.....13
STCD16AH.....48	STCD9.0AH.....48	TCD48CAH.....50	UGP50G.....42	Z2PK304H.....13
STCD16CAH.....48	STCD9.0CAH.....48	TCD5.0AH.....50	UGP50J.....42	Z2PK304RH.....13
STCD170AH.....48	STCD90AH.....48	TCD5.0CAH.....50	UGZ10DCF.....44	Z2PK306H.....13
STCD170CAH.....48	STCD90CAH.....48	TCD51AH.....50	UGZ10DCT.....44	Z2PK310H.....13
STCD17AH.....48	SUGC08KH.....40	TCD51CAH.....50	UGZ10DF.....43	Z3PK10150DH.....15
STCD17CAH.....48	SUGC10DH.....40	TCD54AH.....50	UGZ10DT.....43	Z3PK10150H.....15
STCD180AH.....48	SUGC10GH.....40	TCD54CAH.....50	UGZ10GCF.....44	Z3PK10200DH.....15
STCD180CAH.....48	SUGC10JH.....40	TCD58AH.....50	UGZ10GCT.....44	Z3PK10200H.....15
STCD18AH.....48	SUGC10KH.....40	TCD58CAH.....50	UGZ10GF.....43	Z3PK20150H.....15
STCD18CAH.....48	TCD100AH.....50	TCD6.0AH.....50	UGZ10GT.....43	Z3PK20200H.....15
STCD190AH.....48	TCD100CAH.....50	TCD6.0CAH.....50	UGZ10JCF.....44	Z3PK5100H.....14
STCD190CAH.....48	TCD10AH.....50	TCD6.5AH.....50	UGZ10JCT.....44	Z3PK5150H.....14
STCD19AH.....48	TCD10CAH.....50	TCD6.5CAH.....50	UGZ10JF.....43	Z3PK5200H.....14
STCD19CAH.....48	TCD110AH.....50	TCD60AH.....50	UGZ10JT.....43	Z3PK540H.....14
STCD20AH.....48	TCD110CAH.....50	TCD60CAH.....50	UGZ16DCF.....44	Z3PK540TH.....14
STCD20CAH.....48	TCD11AH.....50	TCD64AH.....50	UGZ16DCT.....44	Z3PK545RH.....14
STCD22AH.....48	TCD11CAH.....50	TCD64CAH.....50	UGZ16GCF.....44	Z3PK545TH.....14
STCD22CAH.....48	TCD120AH.....50	TCD7.0AH.....50	UGZ16GCT.....44	Z3PK545UH.....14
STCD24AH.....48	TCD120CAH.....50	TCD7.0CAH.....50	UGZ16JCF.....44	Z3PK560H.....14
STCD24CAH.....48	TCD12AH.....50	TCD7.5AH.....50	UGZ16JCT.....44	Z3PK560UH.....14
STCD26AH.....48	TCD12CAH.....50	TCD7.5CAH.....50	UGZ20DCF.....44	Z3PK8100H.....14
STCD26CAH.....48	TCD130AH.....50	TCD70AH.....50	UGZ20DCT.....44	Z3PK8100UH.....14
STCD28AH.....48	TCD130CAH.....50	TCD70CAH.....50	UGZ20GCF.....44	Z3PK8150H.....14
STCD28CAH.....48	TCD13AH.....50	TCD75AH.....50	UGZ20GCT.....44	Z3PK8200H.....14
STCD30AH.....48	TCD13CAH.....50	TCD75CAH.....50	UGZ20JCF.....44	Z3PK845H.....14
STCD30CAH.....48	TCD140AH.....50	TCD78AH.....50	UGZ20JCT.....44	Z3PK845UH.....14
STCD33AH.....48	TCD140CAH.....50	TCD78CAH.....50	UGZ6DF.....43	Z3PK860H.....14
STCD33CAH.....48	TCD14AH.....50	TCD8.0AH.....50	UGZ6DT.....43	Z3PK860UH.....14
STCD36AH.....48	TCD14CAH.....50	TCD8.0CAH.....50	UGZ6GF.....43	Z3PK860ULH.....14
STCD36CAH.....48	TCD150AH.....50	TCD8.5AH.....50	UGZ6GT.....43	Z4EGP20MH.....46
STCD40AH.....48	TCD150CAH.....50	TCD8.5CAH.....50	UGZ6JF.....43	Z4GP16MPH.....46
STCD40CAH.....48	TCD15AH.....50	TCD80AH.....50	UGZ6JT.....43	Z4GP20JH.....46
STCD43AH.....48	TCD15CAH.....50	TCD80CAH.....50	UGZ8DF.....43	Z4GP20KH.....46
STCD43CAH.....48	TCD160AH.....50	TCD85AH.....50	UGZ8DT.....43	Z4GP20MH.....46
STCD45AH.....48	TCD160CAH.....50	TCD85CAH.....50	UGZ8GF.....43	Z4GP20MPH.....46
STCD45CAH.....48	TCD16AH.....50	TCD9.0AH.....50	UGZ8GT.....43	Z4GP40JH.....46
STCD48AH.....48	TCD16CAH.....50	TCD9.0CAH.....50	UGZ8JF.....43	Z4GP40KH.....46
STCD48CAH.....48	TCD170AH.....50	TCD90AH.....50	UGZ8JT.....43	Z4GP40MH.....46
STCD5.0AH.....48	TCD170CAH.....50	TCD90CAH.....50	USCD024RH.....16	Z4RGP20MH.....46
STCD5.0CAH.....48	TCD17AH.....50	UGC10DH.....40	USCD034H.....16	Z5TPK1045MH.....15
STCD51AH.....48	TCD17CAH.....50	UGC10GH.....40	USCD054H.....16	Z5TPK1045UH.....15
STCD51CAH.....48	TCD180AH.....50	UGC10JH.....40	USCD104H.....17	Z5TPK1045ULH.....15
STCD54AH.....48	TCD180CAH.....50	UGC10KH.....40	Z1PK053H.....13	Z5TPK1545UH.....15
STCD54CAH.....48	TCD18AH.....50	UGC20DH.....41	Z1PK054H.....13	Z5TPK1545ULH.....15
STCD58AH.....48	TCD18CAH.....50	UGC20GH.....41	Z1PK102H.....13	Z5TPK2050UH.....15
STCD58CAH.....48	TCD190AH.....50	UGC20JH.....41	Z1PK104H.....13	Z5TPK2050ULH.....15
STCD6.0AH.....48	TCD190CAH.....50	UGC20KH.....41	Z1PK106H.....13	Z5TPK30100H.....15
STCD6.0CAH.....48	TCD19AH.....50	UGF10D.....41	Z1PK106RH.....13	Z5TPK3050PH.....15
STCD6.5AH.....48	TCD19CAH.....50	UGF10G.....41	Z1PK110H.....13	Z5TPK3050UH.....15
STCD6.5CAH.....48	TCD20AH.....50	UGF10J.....41	Z2APK310H.....14	ZEGC5MM.....36
STCD60AH.....48	TCD20CAH.....50	UGF10K.....41	Z2APK315H.....14	
STCD60CAH.....48	TCD22AH.....50	UGF20D.....41	Z2APK320H.....14	

QUICK REFERENCE TABLE SCHOTTKY BARRIER RECTIFIERS

Patented With Superchip™ Technology

Io (A)	V _{RM} (V)	SOD-723	0603 USCD SOD-523	0805 MSCD SOD-323	Z1PAK Z1PK SOD-323	1206-S SSCD SOD-123	1206 SSCD SOD-123	Z2PAK Z2PK SOD-123	2010 SCD DO-214AC(SMA)
0.1	20			MSCD012H AUMSCD012H AUMSCD012					
	30	RB520G-30GH RB521G-30GH							
	40			MSCD014H AUMSCD014H AUMSCD014					
0.2	20			MSCD022H					
	40		USCD024RH AUUSCD024RH AUUSCD024R	MSCD024H					
0.3	20			MSCD032H					
	40		USCD034H AUUSCD034H AUUSCD034	MSCD034H					
0.5	20			MSCD052H AUMSCD052H AUMSCD052		SSCD052SH	SSCD052H SSCD052TH AUSSCD052H AUSSCD052		
	30			MSCD053H MSCD053RH AUMSCD053H AUMSCD053	Z1PK053H				
	40		USCD054H AUUSCD054H AUUSCD054	MSCD054H AUMSCD054H AUMSCD054	Z1PK054H	SSCD054SH	SSCD054H AUSSCD054H AUSSCD054		
	60					SSCD056SH	SSCD056H		
1	20			MSCD102H AUMSCD102H AUMSCD102	Z1PK102H	SSCD102SH	SSCD102H AUSSCD102H AUSSCD102	Z2PK102H	SCD5817H SCD12H AUSCD12H AUSCD12
	30								SCD5818H
	40		USCD104H	MSCD104H MSCD104RH AUMSCD104H AUMSCD104	Z1PK104H	SSCD104SH SSCD104RSH SSCD104TSH	SSCD104H SSCD104RH SSCD104TH AUSSCD104H AUSSCD104	Z2PK104H	SCD5819H SCD14H SCD14RH AUSCD14H AUSCD14
	60			MSCD106H MSCD106RH AUMSCD106H AUMSCD106	Z1PK106H Z1PK106RH	SSCD106SH	SSCD106H AUSSCD106H AUSSCD106	Z2PK106H	SCD16H AUSCD16H AUSCD16
	100				Z1PK110H	SSCD110SH	SSCD110H AUSSCD110H AUSSCD110	Z2PK110H	SCD110H AUSCD110H AUSCD110
	150						SSCD115H	Z2PK115H	SCD115H
	200						SSCD120H	Z2PK120H	SCD120H

NOTE: The model name headed with " AU " is complying with AEC-Q101.
The model name with "H" suffix is Halogen-free type.

SOD-723



0603



0805



1206-S



1206



2010



Z1PAK



Z2PAK



QUICK REFERENCE TABLE SCHOTTKY BARRIER RECTIFIERS

Patented With Superchip™ Technology

Io (A)	V _{RM} (V)	0805 MSCD SOD-323	Z2PAK Z2PK SOD-123	1206-S SSCD SOD-123	1206 SSCD SOD-123	2010 SCD DO-214AC(SMA)	2114 BSCD DO-214AA(SMB)
2	20	MSCD202H AUMSCD202H AUMSCD202	Z2PK202H	SSCD202SH	SSCD202H AUSSCD202H AUSSCD202	SCD22H AUSCD22H AUSCD22	BSCD22H
	40	MSCD204H AUMSCD204H AUMSCD204	Z2PK204H AUZ2PK204H AUZ2PK204	SSCD204SH SSCD204USH	SSCD204H AUSSCD204H AUSSCD204	SCD24H AUSCD24H SCD24DH SCD24UH AUSCD24UH AUSCD24U	BSCD24H
	45					SCD245UH	
	60		Z2PK206H	SSCD206SH	SSCD206H AUSSCD206H AUSSCD206	SCD26H AUSCD26H AUSCD26	BSCD26H
	100		Z2PK210H	SSCD210SH	SSCD210H AUSSCD210H AUSSCD210	SCD210H AUSCD210H AUSCD210	BSCD210H
	150		Z2PK215H			SCD215H	
	200		Z2PK220H			SCD220H	

Patented With Superchip™ Technology

Io (A)	V _{RM} (V)	0805 MSCD SOD-323	1206-S SSCD SOD-123	2010 SCD DO-214AC(SMA)	Z2PAK Z2PK SOD-123	Z2APAK Z2APK DO-214AC(SMA)	Z3PAK Z3PK TO-277	2114 BSCD DO-214AA(SMB)	3220 CSCD DO-214AB(SMC)
3	20	MSCD302H AUMSCD302H AUMSCD302		SCD32H AUSCD32H AUSCD32				BSCD32H	CSCD32H
	40	MSCD304H AUMSCD304H AUMSCD304	SSCD304SH	SCD34H SCD34MH AUSCD34H AUSCD34	Z2PK304H Z2PK304RH	Z2APK34H		BSCD34H	CSCD34H
	45			SCD345H SCD345MH SCD345PH SCD345UH				BSCD345MH	
	60	MSCD306H AUMSCD306H AUMSCD306	SSCD306SH	SCD36H SCD36MH SCD36RH SCD36ULH AUSCD36H AUSCD36	Z2PK306H	Z2APK36H		BSCD36H	CSCD36H
	100			SCD310H AUSCD310H AUSCD310	Z2PK310H	Z2APK310H		BSCD310H	CSCD310H
	150			SCD315H		Z2APK315H			
	200			SCD320H		Z2APK320H			
5	20								CSCD52H
	30			SCD53H					
	40			SCD54H		Z2APK54H Z2APK54MH	Z3PK540H Z3PK540TH	BSCD54H BSCD54DH	CSCD54H
	45			SCD545H SCD545UH ASCD545UH			Z3PK545RH Z3PK545TH Z3PK545UH	BSCD545UH BSCD545ULH	
	60			SCD56UH		Z2APK56H	Z3PK560H Z3PK560UH	BSCD56H	CSCD56H
	100			SCD510H		Z2APK510H	Z3PK5100H	BSCD510H BSCD510UH	CSCD510H
	150					Z2APK515H	Z3PK5150H		CSCD515H
	200					Z2APK520H	Z3PK5200H		

NOTE: The model name headed with " AU " is complying with AEC-Q101.
The model name with "H" suffix is Halogen-free type.

0805



1206-S



1206



2010



2114



3220



Z2PAK



Top View Bottom View

Z2APAK



Top View Bottom View

Z3PAK



Top View Bottom View

QUICK REFERENCE TABLE SCHOTTKY BARRIER RECTIFIERS

Patented With Superchip™ Technology

I _O (A)	V _{RM} (V)	A2010 ASCD DO-214AC(SMA)	2114 BSCD DO-214AA(SMB)	Z3PAK Z3PK TO-277	A3PS A3PS TO-277	A3PS-G A3GPS TO-277	Z5PAK-T Z5TPK DO-214AB(SMC)
8	40		BSCD84H				
	45	ASCD845UH		Z3PK845H Z3PK845UH			
	60			Z3PK860H Z3PK860UH Z3PK860ULH			
	100			Z3PK8100H Z3PK8100UH	A3PS8100UH		
	150			Z3PK8150H			
	200			Z3PK8200H			
10	45				A3PS1045UH A3PS1045UALH	A3GPS1045UCH	Z5TPK1045UH Z5TPK1045ULH Z5TPK1045MH
	60				A3PS1060UH		
	100				A3PS10100UH		
	150			Z3PK10150H Z3PK10150DH			
	200			Z3PK10200H Z3PK10200DH			
15	45				A3PS1545UH	A3GPS1545UAH	Z5TPK1545UH Z5TPK1545ULH
	50				A3PS1550UH		
	60				A3PS1560UH		
	100				A3PS15100UH		
20	45					A3GPS2045UAH	
	50						Z5TPK2050UH Z5TPK2050ULH
	60				A3PS2060UH		
	100				A3PS20100UH		
	150			Z3PK20150H			
	200			Z3PK20200H			
25	45					A3GPS2545UAH	
30	50						Z5TPK3050UH Z5TPK3050PH
	100						Z5TPK30100H

NOTE: The model name with "H" suffix is Halogen-free type.

2114



2010 / A2010



Z3PAK



Top View Bottom View

A3PS



Top View Bottom View

A3PS-G



Top View Bottom View

Z5PAK-T



Top View Bottom View

QUICK REFERENCE TABLE **SCHOTTKY BARRIER RECTIFIERS**

Io (A)	V _{RM} (V)	DO-214AC SMA	DO-214AA SMB	DO-214AB SMC	DO-204AL DO-41	DO-201AD DO-27
1	20	SS12 SS12H			1N5817 SB120	
	30				1N5818	
	40	SS14 SS14H			1N5819 SB140	
	60	SS16 SS16H			SB160	
	100	SS110 SS110H			SB1100	
2	20	SS22 SS22H			SB220	
	40	SS24 SS24H			SB240	
	60	SS26 SS26H			SB260	
	100	SS210 SS210H			SB2100	
	150				SB2150	
	200				SB2200	
3	20		SS32 SS32H	SC32 SC32H		1N5820 SB320
	30					1N5821
	40		SS34 SS34H	SC34 SC34H		1N5822 SB340
	60		SS36 SS36H	SC36 SC36H		SB360
	100		SS310 SS310H	SC310 SC310H		SB3100
	150					SB3150
	200					SB3200
5	20			SC52 SC52H		SB520
	40			SC54 SC54H		SB540
	60			SC56 SC56H		SB560
	100			SC510 SC510H		SB5100
	150					SB5150
	200					SB5200
8	40					SB840
	60					SB860

DO-214AC(SMA)



DO-214AA(SMB)



DO-214AB(SMC)



DO-204AL(DO-41)



DO-201AD(DO-27)



QUICK REFERENCE TABLE SCHOTTKY BRIDGE RECTIFIERS

Patented With Superchip™ Technology

Io (A)	V _{RM} (V)	Schottky Bridge MBCN	Schottky Bridge MBC
1	40	SLX104MH	SMBC104H
	60	SLX106UH	SMBC106H
	100		SMBC110H
2	40	SLX204MH SLX204MAH SLX204UH	SMBC204H
	60	SLX206UH	SMBC206H
	100		SMBC210H
3	40		SMBC304MH
	60		SMBC306MH

NOTE: The model name with "H" suffix is Halogen-free type.

QUICK REFERENCE TABLE SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

Halogen-free Patented With Superchip™ Technology

Io (A)	V _{RM} (V)	Ultra Mini Bridge MBCN	Mini Bridge MBCR	Mini Bridge Z4PAK	Mini Bridge Z4PAK-D
1	1000	LX10M	MBCR10MPH		
1.6	1000			Z4GP16MPH	
2	600			Z4GP20JH	
	800			Z4GP20KH	
	1000			Z4GP20MH Z4GP20MPH	
4	600				Z4GP40JH
	800				Z4GP40KH
	1000				Z4GP40MH

NOTE: The model name with "H" suffix is Halogen-free type.

QUICK REFERENCE TABLE SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

Halogen-free Patented With Superchip™ Technology

Io (A)	V _{RM} (V)	Mini Bridge Z4PAK
2	1000	Z4RGP20MH

NOTE: The model name with "H" suffix is Halogen-free type.

QUICK REFERENCE TABLE SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

Halogen-free Patented With Superchip™ Technology

Io (A)	V _{RM} (V)	Mini Bridge MBCR	Mini Bridge Z4PAK
2	600	MBCR10EJH	
	800	MBCR10EKH	
	1000	MBCR10EMH	Z4EGP20MH

NOTE: The model name with "H" suffix is Halogen-free type.

MBCN



MBC



MBCR



Z4PAK



Top View

Bottom View

Z4PAK-D



Top View

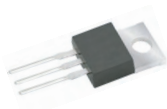
Bottom View

QUICK REFERENCE TABLE SCHOTTKY BARRIER RECTIFIERS

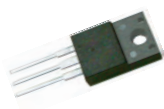
Io (A)	V _{RM} (V)	TO-220AB	ITO-220AB	TO-263 (D ² PAK)
10	40	SBL1040CTSH	SBL1040CFSH	
	45	SBL1045CTSH	SBL1045CFSH	
	60	SBL1060CTSH	SBL1060CFSH	
	100	MBR10100CTSH	MBR10100CFSH	
	150	MBR10150CTSH	MBR10150CFSH	
	200	MBR10200CTSH	MBR10200CFSH	
20	40	SBL2040CTSH	SBL2040CFSH	
	45	SBL2045CTSH	SBL2045CFSH	SBL2045U SBLD2045CUA
	60	SBL2060CTSH	SBL2060CFSH	
	100	MBR20100CTSH	MBR20100CFSH	
	150	MBR20150CTSH	MBR20150CFSH	
	200	MBR20200CTSH	MBR20200CFSH	
30	40	SBL3040CTSH	SBL3040CFSH	
	45	SBL3045CTSH	SBL3045CFSH	
	60	SBL3060CTSH	SBL3060CFSH	
	100	MBR30100CTSH	MBR30100CFSH	
	150	MBR30150CTSH	MBR30150CFSH	
	200	MBR30200CTSH	MBR30200CFSH	
40	45			SBLD4045CU

NOTE: The model name with "H" suffix is Halogen-free type.

TO-220AB



ITO-220AB



TO-263 (D²PAK)



QUICK REFERENCE TABLE SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

Io (A)	V _{RM} (V)	GBPS-LF	GBU-L
4	200	GBPS402LF	
	400	GBPS404LF	
	600	GBPS406LF	
	800	GBPS408LF	
	1000	GBPS410LF	
10	800		GBU1008UL

GBPS-LF



GBU-L



QUICK REFERENCE TABLE SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

Patented With *SuprexTM* Technology
Superchip

Io (A)	V _{RM} (V)	SOD-123FL	0805 MGC SOD-323	1206-S SGC SOD-123	1206 BYD SOD-123	2010 GC DO-214AC(SMA)	2114 BGC DO-214AA(SMB)	DO-214AC SMA	DO-214AA SMB	DO-204AL DO-41	DO-204AC DO-15
1	200			SGC10DH SGC10DLH AUSGC10DH AUSGC10D	BYD17ZDH AUBYD17ZDH AUBYD17ZD	GC10DH GC10DLH AUGC10DH AUGC10D		GF10D GF10DL		GP10D GP10DL	
	400			SGC10GH SGC10GLH AUSGC10GH AUSGC10G	BYD17ZGH AUBYD17ZGH AUBYD17ZG	GC10GH GC10GLH AUGC10GH AUGC10G		GF10G AUGF10G GF10GL		GP10G AUGP10G GP10GL	
	600	ASGC10JUH	AUMGC10JH AUMGC10J	SGC10JH SGC10JLH AUSGC10JH AUSGC10J	BYD17ZJH AUBYD17ZJH AUBYD17ZJ	GC10JH GC10JLH AUGC10JH AUGC10J		GF10J AUGF10J GF10JL		GP10J AUGP10J GP10JL	
	800			SGC10KH SGC10KLH AUSGC10KH AUSGC10K	BYD17ZKH AUBYD17ZKH AUBYD17ZK	GC10KH GC10KLH AUGC10KH AUGC10K		GF10K AUGF10K GF10KL		GP10K AUGP10K GP10KL	
	1000	ASGC10MUH	AUMGC10MH AUMGC10M	SGC10MH SGC10MLH AUSGC10MH AUSGC10M	BYD17ZMH AUBYD17ZMH AUBYD17ZM	GC10MH GC10MLH AUGC10MH AUGC10M		GF10M AUGF10M GF10ML		GP10M AUGP10M GP10ML	
	1200							GF10Q		GP10Q	
	1400									GP10V	
	1600							GF10Y		GP10Y	
	2000							GF02-20		GP02-20	
2	200					GC20DH GC20DLH AUGC20DH AUGC20D	BGC20DH BGC20DLH AUBGC20DH AUBGC20D		GF20D GF20DL		GP20D GP20DL
	400					GC20GH GC20GLH AUGC20GH AUGC20G	BGC20GH BGC20GLH AUBGC20GH AUBGC20G		GF20G GF20GL		GP20G AUGP20G GP20GL
	600					GC20JH GC20JLH AUGC20JH AUGC20J	BGC20JH BGC20JLH AUBGC20JH AUBGC20J		GF20J GF20JL		GP20J AUGP20J GP20JL
	800					GC20KH GC20KLH AUGC20KH AUGC20K	BGC20KH BGC20KLH AUBGC20KH AUBGC20K		GF20K GF20KL		GP20K AUGP20K GP20KL
	1000					GC20MH GC20MLH AUGC20MH AUGC20M	BGC20MH BGC20MLH AUBGC20MH AUBGC20M		GF20M GF20ML		GP20M AUGP20M GP20ML

NOTE: The model name headed with "AU" is complying with AEC-Q101.
The model name with "H" suffix is Halogen-free type.

1206-S



0805



1206-S



1206



2010



2114



DO-214AC(SMA)



DO-214AA(SMB)



DO-204AL(DO-41)



DO-204AC(DO-15)



QUICK REFERENCE TABLE

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

Patented With *SuprexTM* Technology
Superchip

I _o (A)	V _{RM} (V)	2114 BGC D0-214AA(SMB)	3220 CGC D0-214AB(SMC)	DO-214AA SMB	DO-201AD DO-27	R-6	P-600
3	200	BGC30DH BGC30DLH AUBGC30DH AUBGC30D	CGC30DH CGC30DLH	GF30D GF30DL	GP30D GP30DL		
	400	BGC30GH BGC30GLH AUBGC30GH AUBGC30G	CGC30GH CGC30GLH AUCGC30GH AUCGC30G	GF30G GF30GL	GP30G GP30GL		
	600	BGC30JH BGC30JLH AUBGC30JH AUBGC30J	CGC30JH CGC30JLH	GF30J GF30JL	GP30J GP30JL		
	800	BGC30KH BGC30KLH AUBGC30KH AUBGC30K	CGC30KH CGC30KLH	GF30K GF30KL	GP30K GP30KL		
	1000	BGC30MH BGC30MLH AUBGC30MH AUBGC30M	CGC30MH CGC30MLH	GF30M GF30ML	GP30M GP30ML		
10	400					GP100GC	GP100G

NOTE: The model name headed with "AU" is complying with AEC-Q101.
The model name with "H" suffix is Halogen-free type.

2114



3220



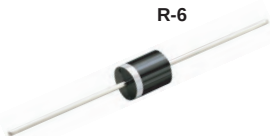
DO-214AA(SMB)



DO-201AD(DO-27)



R-6



P-600



QUICK REFERENCE TABLE **SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS**

Patented With *SuperexII™* Technology
Superchip

Io (A)	V _{RM} (V)	T _{RR} (nS)	1206-S SRGC SOD-123	1206 BYD SOD-123	2010 RGC DO-214AC/SMA	2114 BRGC DO-214AA/SMB	DO-214AC SMA	DO-214AA SMB	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27
1	200	150	SRGC10DH		RGC10DH		RGF10D		RGP10D		
		250		BYD37ZDH AUBYD37ZDH AUBYD37ZD							
	400	150	SRGC10GH		RGC10GH		RGF10G		RGP10G		
		250		BYD37ZGH AUBYD37ZGH AUBYD37ZG							
	600	150					RGF10JA		RGP10JA		
		250	SRGC10JH	BYD37ZJH AUBYD37ZJH AUBYD37ZJ	RGC10JH		RGF10J		RGP10J		
	800	300	SRGC10KH	BYD37ZKH AUBYD37ZKH AUBYD37ZK	RGC10KH		RGF10KA		RGP10KA		
		500					RGF10K		RGP10K		
	1000	300	SRGC10MH	BYD37ZMH AUBYD37ZMH AUBYD37ZM			RGF10MA		RGP10MA		
		500			RGC10MH RGC10MLH		RGF10M		RGP10M		
	1200	300							RGP02-12		
	1500	300							RGP02-15		
	1800	300							RGP02-18		
	2000	300							RGP02-20		
2	200	150			RGC20DH	BRGC20DH		RGF20D		RGP20D	
	400	150			RGC20GH	BRGC20GH		RGF20G		RGP20G	
	600	150						RGF20JA		RGP20JA	
		250			RGC20JH	BRGC20JH		RGF20J		RGP20J	
	800	300			RGC20KH	BRGC20KH		RGF20KA		RGP20KA	
		500						RGF20K		RGP20K	
	1000	300						RGF20MA		RGP20MA	
		500			RGC20MH	BRGC20MH		RGF20M		RGP20M	
3	200	150				BRGC30DH		RGF30D			RGP30D
	400	150				BRGC30GH		RGF30G			RGP30G
	600	150						RGF30JA			RGP30JA
		250				BRGC30JH		RGF30J			RGP30J
	800	300				BRGC30KH		RGF30KA			RGP30KA
		500						RGF30K			RGP30K
	1000	300						RGF30MA			RGP30MA
		500				BRGC30MH		RGF30M			RGP30M

NOTE: The model name headed with " AU " is complying with AEC-Q101.
The model name with "H" suffix is Halogen-free type.

1206-S



1206



2010



2114



DO-214AC(SMA)



DO-214AA(SMB)



DO-204AL(DO-41)



DO-204AC(DO-15)



DO-201AD(DO-27)



QUICK REFERENCE TABLE

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

Patented With *SuprexTM* Technology
SuperchipTM

I _O (A)	V _{RM} (V)	T _{RR} (nS)	1206-S SEGC SOD-123	1206 BYD SOD-123	2010 EGC DO-214AC/SMA	2114 BEGC DO-214AA/SMB	DO-214AC SMA	DO-214AA SMB	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27
1	200	50	SEGC10DH	BYD57ZDH AUBYD57ZDH AUBYD57ZD	EGC10DH		EGF10D		EGP10D		
	400	50	SEGC10GH	BYD57ZGH AUBYD57ZGH AUBYD57ZG	EGC10GH		EGF10G		EGP10G		
	600	50		BYD57ZJH AUBYD57ZJH AUBYD57ZJ							
		75	SEGC10JH		EGC10JH		EGF10J		EGP10J		
	800	75	SEGC10KH	BYD57ZKH AUBYD57ZKH AUBYD57ZK	EGC10KH		EGF10K		EGP10K		
	1000	75	SEGC10MH	BYD57ZMH AUBYD57ZMH AUBYD57ZM	EGC10MH		EGF10M		EGP10M		
2	200	50			EGC20DH	BEGC20DH		EGF20D		EGP20D	
	400	50			EGC20GH	BEGC20GH		EGF20G		EGP20G	
	600	75			EGC20JH	BEGC20JH		EGF20J		EGP20J	
	800	75			EGC20KH	BEGC20KH		EGF20K		EGP20K	
	1000	75			EGC20MH	BEGC20MH		EGF20M		EGP20M	
3	200	50				BEGC30DH		EGF30D			EGP30D
	400	50				BEGC30GH		EGF30G			EGP30G
	600	75				BEGC30JH		EGF30J			EGP30J
	800	75				BEGC30KH		EGF30K			EGP30K
	1000	75				BEGC30MH		EGF30M			EGP30M
5	200	50									EGP50D
	400	50									EGP50G

NOTE: The model name headed with "AU" is complying with AEC-Q101.
The model name with "H" suffix is Halogen-free type.

1206-S



1206



2010



2114



DO-214AC(SMA)



DO-214AA(SMB)



DO-204AL(DO-41)



DO-204AC(DO-15)



DO-201AD(DO-27)



QUICK REFERENCE TABLE

SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

Patented With *Superexil™* Technology
Superchip™

I _O (A)	V _{RM} (V)	T _{RR} (nS)	1206-S SUGC SOD-123	1206 BYD SOD-123	2010 UGC DO-214AC/SMA	2114 BUGC DO-214AA/SMB	DO-214AC SMA	DO-214AA SMB	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27
0.8	800	35	SUGC08KH								
1.0	200	35	SUGC10DH	BYD127ZH	UGC10DH AUUGC10DH AUUGC10D		UGF10D		UGP10D		
		50		BYD77ZDH							
	400	35	SUGC10GH	BYD147ZH	UGC10GH AUUGC10GH AUUGC10G		UGF10G		UGP10G		
		50		BYD77ZGH							
	600	35	SUGC10JH AUSUGC10JH AUSUGC10J	BYD167ZH AUBYD167ZH AUBYD167Z	UGC10JH AUUGC10JH AUUGC10J		UGF10J		UGP10J		
	800	35	SUGC10KH	BYD187ZH	UGC10KH AUUGC10KH AUUGC10K		UGF10K		UGP10K		
2.0	200	35			UGC20DH	BUGC20DH		UGF20D		UGP20D	
	400	35			UGC20GH	BUGC20GH		UGF20G		UGP20G	
	600	35			UGC20JH	BUGC20JH		UGF20J		UGP20J	
	800	35			UGC20KH	BUGC20KH		UGF20K		UGP20K	
3.0	200	35				BUGC30DH		UGF30D			UGP30D
	400	35				BUGC30GH		UGF30G			UGP30G
	600	35				BUGC30JH		UGF30J			UGP30J
	800	35				BUGC30KH		UGF30K			UGP30K
4.0	200	50									MUR420
	600	50									MUR460
5.0	200	35									UGP50D
	400	35									UGP50G
	600	35									UGP50J

NOTE: The model name headed with " AU " is complying with AEC-Q101.
The model name with "H" suffix is Halogen-free type.

1206-S



1206



2010



2114



DO-214AC(SMA)



DO-214AA(SMB)



DO-204AL(DO-41)



DO-204AC(DO-15)



DO-201AD(DO-27)



QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

Io (A)	V _{RM} (V)	T _{RR} (nS)	TO-220AB	ITO-220AB
10	200	50	EGZ10DCT	EGZ10DCF
	400	50	EGZ10GCT	EGZ10GCF
	600	75	EGZ10JCT	EGZ10JCF
12	200	50	EGZ12DCT	EGZ12DCF
	400	50	EGZ12GCT	EGZ12GCF
	600	75	EGZ12JCT	EGZ12JCF
16	200	50	EGZ16DCT	EGZ16DCF
	400	50	EGZ16GCT	EGZ16GCF
	600	75	EGZ16JCT	EGZ16JCF
20	200	50	EGZ20DCT	EGZ20DCF
	400	50	EGZ20GCT	EGZ20GCF
	600	75	EGZ20JCT	EGZ20JCF

QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

Io (A)	V _{RM} (V)	T _{RR} (nS)	TO-220AC	ITO-220AC	TO-220AB	ITO-220AB
6.0	200	35	UGZ6DT	UGZ6DF		
	400	35	UGZ6GT	UGZ6GF		
	600	35	UGZ6JT	UGZ6JF		
8.0	200	35	UGZ8DT	UGZ8DF		
	400	35	UGZ8GT	UGZ8GF		
	600	35	UGZ8JT	UGZ8JF		
10	200	35	UGZ10DT	UGZ10DF	UGZ10DCT	UGZ10DCF
	400	35	UGZ10GT	UGZ10GF	UGZ10GCT	UGZ10GCF
	600	35	UGZ10JT	UGZ10JF	UGZ10JCT	UGZ10JCF
16	200	35			UGZ16DCT	UGZ16DCF
	400	35			UGZ16GCT	UGZ16GCF
	600	35			UGZ16JCT	UGZ16JCF
20	200	35			UGZ20DCT	UGZ20DCF
	400	35			UGZ20GCT	UGZ20GCF
	600	35			UGZ20JCT	UGZ20JCF

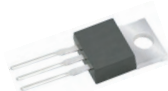
TO-220AC



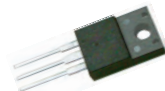
ITO-220AC



TO-220AB



ITO-220AB



AEC-Q101

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

0.1 AMPERE / 0805 (Equivalent to SOD-323) / **Halogen-free**
Superchip **PATENTED**

AUMSCD012H	20	0.1	2	0.03	0.1	0.45	F 2 F 4
AUMSCD014H	40	0.1	2	0.03	0.1	0.50	F 2 F 4

0.1 AMPERE / 0805 (Equivalent to SOD-323)
Superchip **PATENTED**

AUMSCD012	20	0.1	2	0.03	0.1	0.45	F 2 F 4
AUMSCD014	40	0.1	2	0.03	0.1	0.50	F 2 F 4

0.2 AMPERE / 0603 (Equivalent to SOD-523) / **Halogen-free**
Superchip **PATENTED**

AUUSCD024RH	40	0.2	2	0.001	0.2	0.45	4D1
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0.2 AMPERE / 0603 (Equivalent to SOD-523)
Superchip **PATENTED**

AUUSCD024R	40	0.2	2	0.001	0.2	0.45	4D1
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0.3 AMPERE / 0603 (Equivalent to SOD-523) / **Halogen-free**
Superchip **PATENTED**

AUUSCD034H	40	0.3	2	0.05	0.3	0.50	4C
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0.3 AMPERE / 0603 (Equivalent to SOD-523)
Superchip **PATENTED**

AUUSCD034	40	0.3	2	0.05	0.3	0.50	4C
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0.5 AMPERE / 0603 (Equivalent to SOD-523) / **Halogen-free**
Superchip **PATENTED**

AUUSCD054H	40	0.5	5	0.05	0.5	0.50	4C
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NOTE : The model name headed with "AU" is comply with AEC-Q101



SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

0.5 AMPERE / 0603 (Equivalent to SOD-523) Superchip



AUUSCD054	40	0.5	5	0.05	0.5	0.50	.4B
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0.5 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip



AUMSCD052H	20	0.5	5	0.1	0.5	0.44	.B
AUMSCD053H	30	0.5	5	0.1	0.5	0.46	.2
AUMSCD054H	40	0.5	5	0.1	0.5	0.48	.3
							.4

0.5 AMPERE / 0805 (Equivalent to SOD-323) Superchip



AUMSCD052	20	0.5	5	0.1	0.5	0.44	.B
AUMSCD053	30	0.5	5	0.1	0.5	0.46	.2
AUMSCD054	40	0.5	5	0.1	0.5	0.48	.3
							.4

0.5 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free Superchip



AUSSCD052H	20	0.5	15	0.05	0.5	0.42	.B2
AUSSCD054H	40	0.5	15	0.05	0.5	0.48	.B4

0.5 AMPERE / 1206 (Equivalent to SOD-123) Superchip



AUSSCD052	20	0.5	15	0.05	0.5	0.42	.B2
AUSSCD054	40	0.5	15	0.05	0.5	0.48	.B4

1 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip



AUMSCD102H	20	1	10	0.2	1	0.45	.A
AUMSCD104H	40	1	10	0.2	1	0.50	.2
AUMSCD106H	60	1	10	0.2	1	0.65	.4
							.6

NOTE : The model name headed with "AU" is comply with AEC-Q101

AEC-Q101

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	μA	A	V	

1 AMPERE / 0805 (Equivalent to SOD-323)
Superchip PATENTED

AUMSCD102	20	1	10	0.2	1	0.45	.A 2
AUMSCD104	40	1	10	0.2	1	0.50	.A 4
AUMSCD106	60	1	10	0.2	1	0.65	.A 6

1 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free
Superchip PATENTED

AUSSCD102H	20	1	20	0.2	1	0.50	.A2.
AUSSCD104H	40	1	20	0.2	1	0.50	.A4.
AUSSCD106H	60	1	20	0.2	1	0.70	.A6.
AUSSCD110H	100	1	20	0.2	1	0.85	.A10.

1 AMPERE / 1206 (Equivalent to SOD-123)
Superchip PATENTED

AUSSCD102	20	1	20	0.2	1	0.50	.A2
AUSSCD104	40	1	20	0.2	1	0.50	.A4
AUSSCD106	60	1	20	0.2	1	0.70	.A6
AUSSCD110	100	1	20	0.2	1	0.85	.A10

1 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip PATENTED

AUSCD12H	20	1	30	0.2	1	0.50	SCD .12.
AUSCD14H	40	1	30	0.2	1	0.50	SCD .14.
AUSCD16H	60	1	30	0.2	1	0.70	SCD .16.
AUSCD110H	100	1	30	0.2	1	0.85	SCD .110.

1 AMPERE / 2010 (Equivalent to DO-214AC / SMA)
Superchip PATENTED

AUSCD12	20	1	30	0.2	1	0.50	SCD .12
AUSCD14	40	1	30	0.2	1	0.50	SCD .14
AUSCD16	60	1	30	0.2	1	0.70	SCD .16
AUSCD110	100	1	30	0.2	1	0.85	SCD .110

2 AMPERE / Z2PAK (Equivalent to SOD-123) / Halogen-free
ZPAK™ (High Thermal Performance Package) PATENTED

AUZ2PK204H	40	2	40	0.2	2	0.50	.L4.
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NOTE : The model name headed with "AU" is comply with AEC-Q101

AEC-Q101

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

2 AMPERE / Z2PAK (Equivalent to SOD-123)
ZPAK™ (High Thermal Performance Package)


AUZ2PK204	40	2	40	0.2	2	0.50	.L4
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2 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free
Superchip


AUMSCD202H	20	2	10	0.05	1	0.45	.L2.
AUMSCD204H	40	2	10	0.05	1	0.50	.L4.

2 AMPERE / 0805 (Equivalent to SOD-323)
Superchip


AUMSCD202	20	2	10	0.05	1	0.45	.L2.
AUMSCD204	40	2	10	0.05	1	0.50	.L4.

2 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free
Superchip


AUSSCD202H	20	2	40	0.2	2	0.50	.L2.
AUSSCD204H	40	2	40	0.2	2	0.50	.L4.
AUSSCD206H	60	2	40	0.2	2	0.70	.L6.
AUSSCD210H	100	2	40	0.2	2	0.85	.L10.

2 AMPERE / 1206 (Equivalent to SOD-123)
Superchip


AUSSCD202	20	2	40	0.2	2	0.50	.L2.
AUSSCD204	40	2	40	0.2	2	0.50	.L4.
AUSSCD206	60	2	40	0.2	2	0.70	.L6.
AUSSCD210	100	2	40	0.2	2	0.85	.L10.

2 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip


AUSCD22H	20	2	50	0.2	2	0.50	SCD .22.
AUSCD24H	40	2	50	0.2	2	0.50	SCD .24.
AUSCD24UH	40	2	40	0.2	2	0.45	SCD .24U.
AUSCD26H	60	2	50	0.2	2	0.70	SCD .26.
AUSCD210H	100	2	50	0.2	2	0.85	SCD .210.

NOTE : The model name headed with "AU" is comply with AEC-Q101

AEC-Q101

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

2 AMPERE / 2010 (Equivalent to DO-214AC / SMA)
Superchip


AUSCD22	20	2	50	0.2	2	0.50	SCD 22
AUSCD24	40	2	50	0.2	2	0.50	SCD 24
AUSCD24U	40	2	40	0.2	2	0.45	SCD 24U
AUSCD26	60	2	50	0.2	2	0.70	SCD 26
AUSCD210	100	2	50	0.2	2	0.85	SCD 210

3 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free
Superchip


AUMSCD302H	20	3	10	0.05	1	0.45	K 2
AUMSCD304H	40	3	10	0.05	1	0.50	K 4
AUMSCD306H	60	3	10	0.05	1	0.65	K 6

3 AMPERE / 0805 (Equivalent to SOD-323)
Superchip


AUMSCD302	20	3	10	0.05	1	0.45	K 2
AUMSCD304	40	3	10	0.05	1	0.50	K 4
AUMSCD306	60	3	10	0.05	1	0.65	K 6

3 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip


AUSCD32H	20	3	80	0.2	3	0.50	SCD 32
AUSCD34H	40	3	80	0.2	3	0.50	SCD 34
AUSCD36H	60	3	80	0.2	3	0.70	SCD 36
AUSCD310H	100	3	80	0.2	3	0.85	SCD 310

3 AMPERE / 2010 (Equivalent to DO-214AC / SMA)
Superchip


AUSCD32	20	3	80	0.2	3	0.50	SCD 32
AUSCD34	40	3	80	0.2	3	0.50	SCD 34
AUSCD36	60	3	80	0.2	3	0.70	SCD 36
AUSCD310	100	3	80	0.2	3	0.85	SCD 310

NOTE : The model name headed with "AU" is comply with AEC-Q101

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

**1 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free
Superchip**
 **PATENTED**

AUMGC10JH	600	1	15	2	1	1.30	$\begin{smallmatrix} 10 \\ \cdot J \end{smallmatrix}$
AUMGC10MH	1000	1	15	2	1	1.30	$\begin{smallmatrix} 10 \\ \cdot M \end{smallmatrix}$

**1 AMPERE / 0805 (Equivalent to SOD-323)
Superchip**
 **PATENTED**

AUMGC10J	600	1	15	2	1	1.30	$\begin{smallmatrix} 10 \\ \cdot J \end{smallmatrix}$
AUMGC10M	1000	1	15	2	1	1.30	$\begin{smallmatrix} 10 \\ \cdot M \end{smallmatrix}$

**1 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip Superex II**
 **PATENTED**

AUSGC10DH	200	1	25	2	1	1.00	$\begin{smallmatrix} 10 \\ \cdot DD \end{smallmatrix}$
AUSGC10GH	400	1	25	2	1	1.00	$\begin{smallmatrix} 10 \\ \cdot DG \end{smallmatrix}$
AUSGC10JH	600	1	25	2	1	1.00	$\begin{smallmatrix} 10 \\ \cdot DJ \end{smallmatrix}$
AUSGC10KH	800	1	25	2	1	1.00	$\begin{smallmatrix} 10 \\ \cdot DK \end{smallmatrix}$
AUSGC10MH	1000	1	25	2	1	1.00	$\begin{smallmatrix} 10 \\ \cdot DM \end{smallmatrix}$

**1 AMPERE / 1206-S (Equivalent to SOD-123)
Superchip Superex II**
 **PATENTED**

AUSGC10D	200	1	25	2	1	1.00	$\begin{smallmatrix} 10 \\ \cdot DD \end{smallmatrix}$
AUSGC10G	400	1	25	2	1	1.00	$\begin{smallmatrix} 10 \\ \cdot DG \end{smallmatrix}$
AUSGC10J	600	1	25	2	1	1.00	$\begin{smallmatrix} 10 \\ \cdot DJ \end{smallmatrix}$
AUSGC10K	800	1	25	2	1	1.00	$\begin{smallmatrix} 10 \\ \cdot DK \end{smallmatrix}$
AUSGC10M	1000	1	25	2	1	1.00	$\begin{smallmatrix} 10 \\ \cdot DM \end{smallmatrix}$

**1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free
Superchip Superex II**
 **PATENTED**

AUBYD17ZDH	200	1	30	1	1	1.00	$\begin{smallmatrix} 17 \\ \cdot ZD \end{smallmatrix}$
AUBYD17ZGH	400	1	30	1	1	1.00	$\begin{smallmatrix} 17 \\ \cdot ZG \end{smallmatrix}$
AUBYD17ZJH	600	1	30	1	1	1.00	$\begin{smallmatrix} 17 \\ \cdot ZJ \end{smallmatrix}$
AUBYD17ZKH	800	1	30	1	1	1.00	$\begin{smallmatrix} 17 \\ \cdot ZK \end{smallmatrix}$
AUBYD17ZMH	1000	1	30	1	1	1.00	$\begin{smallmatrix} 17 \\ \cdot ZM \end{smallmatrix}$

NOTE : The model name headed with "AU" is comply with AEC-Q101

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123)
Superchip Superex II
 **PATENTED**

AUBYD17ZD	200	1	30	1	1	1.00	.17 .ZD
AUBYD17ZG	400	1	30	1	1	1.00	.17 .ZG
AUBYD17ZJ	600	1	30	1	1	1.00	.17 .ZJ
AUBYD17ZK	800	1	30	1	1	1.00	.17 .ZK
AUBYD17ZM	1000	1	30	1	1	1.00	.17 .ZM

1 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip Superex II
 **PATENTED**

AUGC10DH	200	1	30	5	1	1.00	.GC .10D.
AUGC10GH	400	1	30	5	1	1.00	.GC .10G.
AUGC10JH	600	1	30	5	1	1.00	.GC .10J.
AUGC10KH	800	1	30	5	1	1.00	.GC .10K.
AUGC10MH	1000	1	30	5	1	1.00	.GC .10M.

1 AMPERE / 2010 (Equivalent to DO-214AC / SMA)
Superchip Superex II
 **PATENTED**

AUGC10D	200	1	30	5	1	1.00	.GC .10D
AUGC10G	400	1	30	5	1	1.00	.GC .10G
AUGC10J	600	1	30	5	1	1.00	.GC .10J
AUGC10K	800	1	30	5	1	1.00	.GC .10K
AUGC10M	1000	1	30	5	1	1.00	.GC .10M

1 AMPERE / DO-214AC (SMA)
Superex II
 **PATENTED**

AUGF10G	400	1	30	5	1	1.00	S .10G
AUGF10J	600	1	30	5	1	1.00	S .10J
AUGF10K	800	1	30	5	1	1.00	S .10K
AUGF10M	1000	1	30	5	1	1.00	S .10M

1 AMPERE / DO-204AL (DO-41)
Superex II
 **PATENTED**

AUGP10G	400	1	30	5	1	1.00	GP .10G
AUGP10J	600	1	30	5	1	1.00	GP .10J
AUGP10K	800	1	30	5	1	1.00	GP .10K
AUGP10M	1000	1	30	5	1	1.00	GP .10M

NOTE : The model name headed with "AU" is comply with AEC-Q101

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

2 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip Superex II


PATENTED

AUGC20DH	200	2	50	5	2	1.00	.GC .20D.
AUGC20GH	400	2	50	5	2	1.00	.GC .20G.
AUGC20JH	600	2	50	5	2	1.00	.GC .20J.
AUGC20KH	800	2	50	5	2	1.00	.GC .20K.
AUGC20MH	1000	2	50	5	2	1.00	.GC .20M.

2 AMPERE / 2010 (Equivalent to DO-214AC / SMA)
Superchip Superex II


PATENTED

AUGC20D	200	2	50	5	2	1.00	.GC .20D
AUGC20G	400	2	50	5	2	1.00	.GC .20G
AUGC20J	600	2	50	5	2	1.00	.GC .20J
AUGC20K	800	2	50	5	2	1.00	.GC .20K
AUGC20M	1000	2	50	5	2	1.00	.GC .20M

2 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free
Superchip Superex II


PATENTED

AUBGC20DH	200	2	50	5	2	1.00	BGC .20D.
AUBGC20GH	400	2	50	5	2	1.00	BGC .20G.
AUBGC20JH	600	2	50	5	2	1.00	BGC .20J.
AUBGC20KH	800	2	50	5	2	1.00	BGC .20K.
AUBGC20MH	1000	2	50	5	2	1.00	BGC .20M.

2 AMPERE / 2114 (Equivalent to DO-214AA / SMB)
Superchip Superex II


PATENTED

AUBGC20D	200	2	50	5	2	1.00	BGC .20D
AUBGC20G	400	2	50	5	2	1.00	BGC .20G
AUBGC20J	600	2	50	5	2	1.00	BGC .20J
AUBGC20K	800	2	50	5	2	1.00	BGC .20K
AUBGC20M	1000	2	50	5	2	1.00	BGC .20M

2 AMPERE / DO-204AC (DO-15)
Superex II


PATENTED

AUGP20G	400	2	65	5	2	1.00	.GP .20G
AUGP20J	600	2	65	5	2	1.00	.GP .20J
AUGP20K	800	2	65	5	2	1.00	.GP .20K
AUGP20M	1000	2	65	5	2	1.00	.GP .20M

NOTE : The model name headed with "AU" is comply with AEC-Q101

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

3 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free
Superchip Superex II


PATENTED

AUBGC30DH	200	3	95	5	3	1.00	BGC .30D.
AUBGC30GH	400	3	95	5	3	1.00	BGC .30G.
AUBGC30JH	600	3	95	5	3	1.00	BGC .30J.
AUBGC30KH	800	3	95	5	3	1.00	BGC .30K.
AUBGC30MH	1000	3	95	5	3	1.00	BGC .30M.

3 AMPERE / 2114 (Equivalent to DO-214AA / SMB)
Superchip Superex II


PATENTED

AUBGC30D	200	3	95	5	3	1.00	BGC .30D
AUBGC30G	400	3	95	5	3	1.00	BGC .30G
AUBGC30J	600	3	95	5	3	1.00	BGC .30J
AUBGC30K	800	3	95	5	3	1.00	BGC .30K
AUBGC30M	1000	3	95	5	3	1.00	BGC .30M

3 AMPERE / 3220 (Equivalent to DO-214AB / SMC) / Halogen-free
Superchip Superex II


PATENTED

AUCGC30GH	400	3	100	5	3	1.00	CGC .30G.
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3 AMPERE / 3220 (Equivalent to DO-214AB / SMC)
Superchip Superex II


PATENTED

AUCGC30G	400	3	100	5	3	1.00	CGC .30G
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NOTE : The model name headed with "AU" is comply with AEC-Q101

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / **Halogen-free**
Superchip Superex II

 **PATENTED**

AUBYD37ZDH	200	1	30	1	1	1.30	250	.37 .2D.
AUBYD37ZGH	400	1	30	1	1	1.30	250	.37 .2G.
AUBYD37ZJH	600	1	30	1	1	1.30	250	.37 .2J.
AUBYD37ZKH	800	1	30	1	1	1.30	300	.37 .2K.
AUBYD37ZMH	1000	1	30	1	1	1.30	300	.37 .2M.

1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123)
Superchip Superex II

 **PATENTED**

AUBYD37ZD	200	1	30	1	1	1.30	250	.37 .2D.
AUBYD37ZG	400	1	30	1	1	1.30	250	.37 .2G.
AUBYD37ZJ	600	1	30	1	1	1.30	250	.37 .2J.
AUBYD37ZK	800	1	30	1	1	1.30	300	.37 .2K.
AUBYD37ZM	1000	1	30	1	1	1.30	300	.37 .2M.

NOTE : The model name headed with "AU" is comply with AEC-Q101

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / **Halogen-free**
Superchip Superex II

 **PATENTED**

AUBYD57ZDH	200	1	30	5	1	1.70	50	.57 .2D.
AUBYD57ZGH	400	1	30	5	1	1.70	50	.57 .2G.
AUBYD57ZJH	600	1	30	5	1	1.70	50	.57 .2J.
AUBYD57ZKH	800	1	25	5	1	1.70	75	.57 .2K.
AUBYD57ZMH	1000	1	25	5	1	1.70	75	.57 .2M.

1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123)
Superchip Superex II

 **PATENTED**

AUBYD57ZD	200	1	30	5	1	1.70	50	.57 .2D.
AUBYD57ZG	400	1	30	5	1	1.70	50	.57 .2G.
AUBYD57ZJ	600	1	30	5	1	1.70	50	.57 .2J.
AUBYD57ZK	800	1	25	5	1	1.70	75	.57 .2K.
AUBYD57ZM	1000	1	25	5	1	1.70	75	.57 .2M.

NOTE : The model name headed with "AU" is comply with AEC-Q101

SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip Superex II
 **PATENTED**

AUSUGC10JH	600	1	15	5	1	1.70	35	$\frac{10}{.00}$
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1 AMPERE / 1206-S (Equivalent to SOD-123)
Superchip Superex II
 **PATENTED**

AUSUGC10J	600	1	15	5	1	1.70	35	$\frac{10}{.00}$
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1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free
Superchip Superex II
 **PATENTED**

AUBYD167ZH	600	1	25	5	1	1.70	35	$\frac{167}{.Z}$
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1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123)
Superchip Superex II
 **PATENTED**

AUBYD167Z	600	1	25	5	1	1.70	35	$\frac{167}{.Z}$
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1 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip Superex II
 **PATENTED**

AUUGC10DH	200	1	30	5	1	0.95	35	UGC 10D
AUUGC10GH	400	1	30	5	1	1.25	35	UGC 10G
AUUGC10JH	600	1	25	5	1	1.70	35	UGC 10J
AUUGC10KH	800	1	25	5	1	2.20	35	UGC 10K

1 AMPERE / 2010 (Equivalent to DO-214AC / SMA)
Superchip Superex II
 **PATENTED**

AUUGC10D	200	1	30	5	1	0.95	35	UGC 10D
AUUGC10G	400	1	30	5	1	1.25	35	UGC 10G
AUUGC10J	600	1	25	5	1	1.70	35	UGC 10J
AUUGC10K	800	1	25	5	1	2.20	35	UGC 10K

NOTE : The model name headed with "AU" is comply with AEC-Q101

CoolTc™ Ultimate HIGH THERMAL PERFORMANCE SCHOTTKY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

8 AMPERE / A3PS (Equivalent to TO-277) / **Halogen-free**

CoolTc™ (Ultimate High Thermal Dissipation Package)

**PATENTED**

A3PS8100UH	100	8	160	0.15	8	0.67	A3PS 8100U.
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10 AMPERE / A3PS (Equivalent to TO-277) / **Halogen-free**

CoolTc™ (Ultimate High Thermal Dissipation Package)

**PATENTED**

A3PS1045UH	45	10	200	0.25	10	0.46	A3PS 1045U.
A3PS1045UALH	45	10	180	0.25	10	0.52	A3PS 1045UAL.
A3PS1060UH	60	10	200	0.25	10	0.54	A3PS 1060U.
A3PS10100UH	100	10	200	0.20	10	0.65	A3PS 10100U.

10 AMPERE / A3PS-G (Equivalent to TO-277) / **Halogen-free**

CoolTc™ (Ultimate High Thermal Dissipation Package)

**PATENTED**

A3GPS1045UCH	45	10	150	0.25	10	0.47	1045UC.
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15 AMPERE / A3PS (Equivalent to TO-277) / **Halogen-free**

CoolTc™ (Ultimate High Thermal Dissipation Package)

**PATENTED**

A3PS1545UH	45	15	250	0.35	15	0.52	A3PS 1545U.
A3PS1550UH	50	15	250	0.40	15	0.52	A3PS 1550U.
A3PS1560UH	60	15	250	0.40	15	0.58	A3PS 1560U.
A3PS15100UH	100	15	220	0.23	15	0.73	A3PS 15100U.

15 AMPERE / A3PS-G (Equivalent to TO-277) / **Halogen-free**

CoolTc™ (Ultimate High Thermal Dissipation Package)

**PATENTED**

A3GPS1545UAH	45	15	200	0.25	15	0.55	1545UA.
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20 AMPERE / A3PS (Equivalent to TO-277) / **Halogen-free**

CoolTc™ (Ultimate High Thermal Dissipation Package)

**PATENTED**

A3PS2060UH	60	20	280	0.45	20	0.60	A3PS 2060U.
A3PS20100UH	100	20	280	0.25	20	0.75	A3PS 20100U.

20 AMPERE / A3PS-G (Equivalent to TO-277) / **Halogen-free**

CoolTc™ (Ultimate High Thermal Dissipation Package)

**PATENTED**

A3GPS2045UAH	45	20	250	0.35	20	0.56	2045UA.
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25 AMPERE / A3PS-G (Equivalent to TO-277) / **Halogen-free**

CoolTc™ (Ultimate High Thermal Dissipation Package)

**PATENTED**

A3GPS2545UAH	45	25	280	0.35	25	0.58	2545UA.
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ZPAK™ HIGH THERMAL PERFORMANCE SCHOTTKY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

0.5 AMPERE / Z1PAK (Equivalent to SOD-323) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z1PK053H	30	0.5	5	0.15	0.5	0.50	B ₃
Z1PK054H	40	0.5	5	0.15	0.5	0.50	B ₄

1 AMPERE / Z1PAK (Equivalent to SOD-323) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z1PK102H	20	1	20	0.2	1	0.50	A ₂
Z1PK104H	40	1	20	0.2	1	0.50	A ₄
Z1PK106H	60	1	22	0.1	1	0.62	A ₆
Z1PK106RH	60	1	22	0.05	1	0.70	A ₆₁
Z1PK110H	100	1	15	0.1	1	0.82	A ₁₀

1 AMPERE / Z2PAK (Equivalent to SOD-123) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z2PK102H	20	1	20	0.2	1	0.50	A2.
Z2PK104H	40	1	20	0.2	1	0.50	A4.
Z2PK106H	60	1	20	0.2	1	0.70	A6.
Z2PK110H	100	1	20	0.2	1	0.85	A10.
Z2PK115H	150	1	20	0.05	1	0.88	A15.
Z2PK120H	200	1	20	0.05	1	0.90	A20.

2 AMPERE / Z2PAK (Equivalent to SOD-123) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z2PK202H	20	2	40	0.2	2	0.50	L2.
Z2PK204H	40	2	40	0.2	2	0.50	L4.
Z2PK206H	60	2	40	0.2	2	0.70	L6.
Z2PK210H	100	2	40	0.2	2	0.85	L10.
Z2PK215H	150	2	40	0.05	2	0.88	L15.
Z2PK220H	200	2	40	0.05	2	0.90	L20.

3 AMPERE / Z2PAK (Equivalent to SOD-123) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z2PK304H	40	3	80	0.2	3	0.50	K4.
Z2PK304RH	40	3	60	0.15	3	0.55	K4R.
Z2PK306H	60	3	80	0.2	3	0.70	K6.
Z2PK310H	100	3	80	0.2	3	0.85	K10.

ZPAK™ HIGH THERMAL PERFORMANCE SCHOTTKY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

3 AMPERE / Z2APAK (Equivalent to DO-214AC / SMA) / Halogen-free

ZPAK™ (High Thermal Performance Package)



Z2APK34H	40	3	80	0.2	3	0.50	Z2A 34.
Z2APK36H	60	3	80	0.2	3	0.70	Z2A 36.
Z2APK310H	100	3	80	0.2	3	0.85	Z2A 310.
Z2APK315H	150	3	80	0.05	3	0.88	Z2A 315.
Z2APK320H	200	3	80	0.05	3	0.90	Z2A 320.

5 AMPERE / Z2APAK (Equivalent to DO-214AC / SMA) / Halogen-free

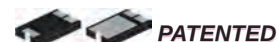
ZPAK™ (High Thermal Performance Package)



Z2APK54H	40	5	110	0.2	5	0.55	Z2A 54.
Z2APK54MH	40	5	110	0.1	5	0.57	Z2A 54M.
Z2APK56H	60	5	110	0.2	5	0.70	Z2A 56.
Z2APK510H	100	5	110	0.2	5	0.85	Z2A 510.
Z2APK515H	150	5	110	0.05	5	0.88	Z2A 515.
Z2APK520H	200	5	110	0.05	5	0.90	Z2A 520.

5 AMPERE / Z3PAK (Equivalent to TO-277) / Halogen-free

ZPAK™ (High Thermal Performance Package)



Z3PK540H	40	5	120	0.1	5	0.57	Z3PK 540.
Z3PK540TH	40	5	100	0.2	5	0.56	Z3PK 540T.
Z3PK545RH	45	5	150	0.2	5	0.47	Z3PK 545R.
Z3PK545TH	45	5	100	0.2	5	0.56	Z3PK 545T.
Z3PK545UH	45	5	100	0.2	5	0.54	Z3PK 545U.
Z3PK560H	60	5	120	0.1	5	0.70	Z3PK 560.
Z3PK560UH	60	5	80	0.25	5	0.60	Z3PK 560U.
Z3PK5100H	100	5	120	0.1	5	0.85	Z3PK 5100.
Z3PK5150H	150	5	110	0.05	5	0.88	Z3PK 5150.
Z3PK5200H	200	5	110	0.05	5	0.90	Z3PK 5200.

8 AMPERE / Z3PAK (Equivalent to TO-277) / Halogen-free

ZPAK™ (High Thermal Performance Package)



Z3PK845H	45	8	180	0.1	8	0.58	Z3PK 845.
Z3PK845UH	45	8	150	0.2	8	0.55	Z3PK 845U.
Z3PK860H	60	8	180	0.1	8	0.70	Z3PK 860.
Z3PK860UH	60	8	130	0.25	8	0.56	Z3PK 860U.
Z3PK860ULH	60	8	220	0.6	8	0.53	Z3PK 860UL.
Z3PK8100H	100	8	170	0.1	8	0.80	Z3PK 8100.
Z3PK8100UH	100	8	150	0.15	8	0.69	Z3PK 8100U.
Z3PK8150H	150	8	170	0.1	8	0.83	Z3PK 8150.
Z3PK8200H	200	8	170	0.1	8	0.86	Z3PK 8200.

ZPAK™ HIGH THERMAL PERFORMANCE SCHOTTKY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

10 AMPERE / Z3PAK (Equivalent to TO-277) / **Halogen-free** ZPAK™ (High Thermal Performance Package)



PATENTED

Z3PK10150H	150	10	170	0.1	10	0.88	Z3PK 10150•
Z3PK10150DH	150	10	250	0.1	10	0.82	Z3PK 10150D•
Z3PK10200H	200	10	170	0.1	10	0.90	Z3PK 10200•
Z3PK10200DH	200	10	250	0.1	10	0.82	Z3PK 10200D•

10 AMPERE / Z5PAK-T (Equivalent to DO-214AB / SMC) / **Halogen-free** ZPAK™ (High Thermal Performance Package)



PATENTED

Z5TPK1045UH	45	10	220	0.35	10	0.47	Z5TPK 1045U•
Z5TPK1045ULH	45	10	250	0.35	10	0.45	Z5TPK 1045UL•
Z5TPK1045MH	45	10	300	0.10	10	0.55	Z5TPK 1045M•

15 AMPERE / Z5PAK-T (Equivalent to DO-214AB / SMC) / **Halogen-free** ZPAK™ (High Thermal Performance Package)



PATENTED

Z5TPK1545UH	45	15	250	0.35	15	0.52	Z5TPK 1545U•
Z5TPK1545ULH	45	15	250	0.35	15	0.49	Z5TPK 1545UL•

20 AMPERE / Z3PAK (Equivalent to TO-277) / **Halogen-free** ZPAK™ (High Thermal Performance Package)



PATENTED

Z3PK20150H	150	20	280	0.1	20	0.91	Z3PK 20150•
Z3PK20200H	200	20	280	0.1	20	0.93	Z3PK 20200•

20 AMPERE / Z5PAK-T (Equivalent to DO-214AB / SMC) / **Halogen-free** ZPAK™ (High Thermal Performance Package)



PATENTED

Z5TPK2050UH	50	20	250	0.35	20	0.55	Z5TPK 2050U•
Z5TPK2050ULH	50	20	280	0.50	20	0.53	Z5TPK 2050UL•

30 AMPERE / Z5PAK-T (Equivalent to DO-214AB / SMC) / **Halogen-free** ZPAK™ (High Thermal Performance Package)



PATENTED

Z5TPK3050UH	50	30	300	0.5	30	0.55	Z5TPK 3050U•
Z5TPK3050PH	50	30	300	0.1	30	0.65	Z5TPK 3050P•
Z5TPK30100H	100	30	350	0.05	30	0.85	Z5TPK 30100•

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

0.1 AMPERE / SOD-723 / Halogen-free



RB520G-30GH	30	0.1	0.5	0.0005 *	0.01	0.45	E
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NOTE : " * " At 10 V Reverse Voltage.

0.1 AMPERE / SOD-723 / Halogen-free



RB521G-30GH	30	0.1	0.5	0.01 *	0.01	0.35	F
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NOTE : " * " At 10 V Reverse Voltage.

0.1 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip



MSCD012H	20	0.1	2	0.03	0.1	0.45	F ₂
MSCD014H	40	0.1	2	0.03	0.1	0.50	F ₄

0.2 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free Superchip



USCD024RH	40	0.2	2	0.001 *	0.2	0.45	40 ₁
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NOTE : " * " At 10 V Reverse Voltage.

0.2 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip



MSCD022H	20	0.2	2	0.005 *	0.2	0.45	D ₂
MSCD024H	40	0.2	2	0.005 *	0.2	0.50	D ₄

NOTE : " * " At 3 V Reverse Voltage.

0.3 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free Superchip



USCD034H	40	0.3	2	0.05	0.3	0.50	40 ₃
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0.3 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip



MSCD032H	20	0.3	2	0.05	0.3	0.50	C ₂
MSCD034H	40	0.3	2	0.05	0.3	0.50	C ₄

0.5 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free Superchip



USCD054H	40	0.5	5	0.05	0.5	0.50	4B
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SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

0.5 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip



MSCD052H	20	0.5	5	0.1	0.5	0.44	B2
MSCD053H	30	0.5	5	0.1	0.5	0.46	B3
MSCD053RH	30	0.5	3	0.005	0.5	0.50	B3L
MSCD054H	40	0.5	5	0.1	0.5	0.48	B4

0.5 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip



SSCD052SH	20	0.5	15	0.05	0.5	0.42	B2S
SSCD054SH	40	0.5	15	0.05	0.5	0.48	B4S
SSCD056SH	60	0.5	15	0.05	0.5	0.55	B6S

0.5 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free Superchip



SSCD052H	20	0.5	15	0.05	0.5	0.42	B2
SSCD052TH	20	0.5	15	0.2	0.5	0.38	B2T
SSCD054H	40	0.5	15	0.05	0.5	0.48	B4
SSCD056H	60	0.5	15	0.05	0.5	0.55	B6

1 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free Superchip



USCD104H	40	1	5	0.2	1	0.57	A4
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1 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip



MSCD102H	20	1	10	0.2	1	0.45	A2
MSCD104H	40	1	10	0.2	1	0.50	A4
MSCD104RH	40	1	10	0.05	1	0.55	A4L
MSCD106H	60	1	10	0.2	1	0.65	A6
MSCD106RH	60	1	10	0.05	1	0.70	A6L

1 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip



SSCD102SH	20	1	20	0.2	1	0.50	A2S
SSCD104SH	40	1	20	0.2	1	0.50	A4S
SSCD104RSH	40	1	20	0.05	1	0.55	A4RS
SSCD104TSH	40	1	25	0.2	1	0.45	A4TS
SSCD106SH	60	1	20	0.2	1	0.70	A6S
SSCD110SH	100	1	20	0.2	1	0.85	A10S

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

1 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free Superchip



SSCD102H	20	1	20	0.2	1	0.50	A2.
SSCD104H	40	1	20	0.2	1	0.50	A4.
SSCD104RH	40	1	20	0.05	1	0.55	A4R.
SSCD104TH	40	1	25	0.2	1	0.45	A4T.
SSCD106H	60	1	20	0.2	1	0.70	A6.
SSCD110H	100	1	20	0.2	1	0.85	A10.
SSCD115H	150	1	20	0.05	1	0.88	A15.
SSCD120H	200	1	20	0.05	1	0.90	A20.

1 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip



SCD5817H	20	1	30	0.5	1	0.45	5817.
SCD5818H	30	1	30	0.5	1	0.55	5818.
SCD5819H	40	1	30	0.5	1	0.60	5819.

1 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip



SCD12H	20	1	30	0.2	1	0.50	SCD12.
SCD14H	40	1	30	0.2	1	0.50	SCD14.
SCD14RH	40	1	30	0.05	1	0.55	SCD14R.
SCD16H	60	1	30	0.2	1	0.70	SCD16.
SCD110H	100	1	30	0.2	1	0.85	SCD110.
SCD115H	150	1	30	0.05	1	0.88	SCD115.
SCD120H	200	1	30	0.05	1	0.90	SCD120.

2 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip



MSCD202H	20	2	10	0.05	1	0.45	L2.
MSCD204H	40	2	10	0.05	1	0.50	L4.

2 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip



SSCD202SH	20	2	40	0.2	2	0.50	L2S.
SSCD204SH	40	2	40	0.2	2	0.50	L4S.
SSCD204USH	40	2	40	0.2	2	0.49	L4US.
SSCD206SH	60	2	40	0.2	2	0.70	L6S.
SSCD210SH	100	2	40	0.2	2	0.85	L10S.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

2 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free Superchip



SSCD202H	20	2	40	0.2	2	0.50	L2.
SSCD204H	40	2	40	0.2	2	0.50	L4.
SSCD206H	60	2	40	0.2	2	0.70	L6.
SSCD210H	100	2	40	0.2	2	0.85	L10.

2 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip



SCD22H	20	2	50	0.2	2	0.50	SCD 22.
SCD24H	40	2	50	0.2	2	0.50	SCD 24.
SCD24DH	40	2	50	0.15	2	0.47	SCD 24D.
SCD24UH	40	2	40	0.2	2	0.49	SCD 24U.
SCD245UH	45	2	40	0.2	2	0.49	SCD 245U.
SCD26H	60	2	50	0.2	2	0.70	SCD 26.
SCD210H	100	2	50	0.2	2	0.85	SCD 210.
SCD215H	150	2	50	0.05	2	0.88	SCD 215.
SCD220H	200	2	50	0.05	2	0.90	SCD 220.

2 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip



BSCD22H	20	2	50	0.2	2	0.50	BSCD 22.
BSCD24H	40	2	50	0.2	2	0.50	BSCD 24.
BSCD26H	60	2	50	0.2	2	0.70	BSCD 26.
BSCD210H	100	2	50	0.2	2	0.85	BSCD 210.

3 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip



MSCD302H	20	3	10	0.05	1	0.45	K 2.
MSCD304H	40	3	10	0.05	1	0.50	K 4.
MSCD306H	60	3	10	0.05	1	0.65	K 6.

3 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip



SSCD304SH	40	3	40	0.2	3	0.55	K4S.
SSCD306SH	60	3	40	0.2	3	0.80	K6S.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

3 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip



SCD32H	20	3	80	0.2	3	0.50	SCD 32
SCD34H	40	3	80	0.2	3	0.50	SCD 34
SCD345MH	45	3	80	0.1	3	0.55	SCD 345M
SCD345H	45	3	80	0.2	3	0.50	SCD 345
SCD345PH	45	3	80	0.2	3	0.48	SCD 345P
SCD345UH	45	3	80	0.2	3	0.54	SCD 345U
SCD36H	60	3	80	0.2	3	0.70	SCD 36
SCD36MH	60	3	70	0.1	3	0.70	SCD 36M
SCD36RH	60	3	80	0.05	3	0.70	SCD 36R
SCD36ULH	60	3	80	0.25	3	0.50	SCD 36UL
SCD310H	100	3	80	0.2	3	0.85	SCD 310
SCD315H	150	3	80	0.05	3	0.88	SCD 315
SCD320H	200	3	80	0.05	3	0.90	SCD 320

3 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip



BSCD32H	20	3	80	0.5	3	0.50	BSCD 32
BSCD34H	40	3	80	0.5	3	0.50	BSCD 34
BSCD345MH	45	3	80	0.1	3	0.55	BSCD 345M
BSCD36H	60	3	80	0.5	3	0.70	BSCD 36
BSCD310H	100	3	80	0.5	3	0.85	BSCD 310

3 AMPERE / 3220 (Equivalent to DO-214AB / SMC) / Halogen-free Superchip



CSCD32H	20	3	100	0.5	3	0.50	CSCD 32
CSCD34H	40	3	100	0.5	3	0.50	CSCD 34
CSCD36H	60	3	100	0.5	3	0.70	CSCD 36
CSCD310H	100	3	100	0.5	3	0.85	CSCD 310

5 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip



SCD53H	30	5 *	80	0.2	3	0.44	SCD 53
SCD54H	40	5	70	0.2	5	0.54	SCD 54
SCD545H	45	5	100	0.2	5	0.54	SCD 545
SCD545UH	45	5	80	0.2	5	0.54	SCD 545U
SCD56UH	60	5	80	0.25	5	0.60	SCD 56U
SCD510H	100	5	80	0.5	5	0.85	SCD 510

NOTE : " * " At T_c 83°C

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

5 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip



PATENTED

BSCD54H	40	5	105	0.5	5	0.55	BSCD 54•
BSCD54DH	40	5	120	0.5	5	0.46	BSCD 54D•
BSCD545UH	45	5	80	0.2	5	0.54	BSCD 545U•
BSCD545ULH	45	5	130	0.2	5	0.44	BSCD 545UL•
BSCD56H	60	5	105	0.5	5	0.70	BSCD 56•
BSCD510H	100	5	105	0.5	5	0.85	BSCD 510•
BSCD510UH	100	5	100	0.1	5	0.75	BSCD 510U•

5 AMPERE / 3220 (Equivalent to DO-214AB / SMC) / Halogen-free Superchip



PATENTED

CSCD52H	20	5	130	0.5	5	0.55	CSCD 52•
CSCD54H	40	5	130	0.5	5	0.55	CSCD 54•
CSCD56H	60	5	130	0.5	5	0.70	CSCD 56•
CSCD510H	100	5	130	0.5	5	0.85	CSCD 510•
CSCD515H	150	5	105	0.05	5	0.86	CSCD 515•



8 AMPERE / A2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip



PATENTED

ASCD845UH	45	8	120	0.2	8	0.54	ASCD 845U•
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8 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip



PATENTED

BSCD84H	40	8	135	0.5	8	0.55	BSCD 84•
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SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

1 AMPERE / DO-214AC (SMA)



SS12	20	1	30	0.5	1	0.50	SS12
SS14	40	1	30	0.5	1	0.50	SS14
SS16	60	1	30	0.5	1	0.70	SS16
SS110	100	1	30	0.5	1	0.85	SS110

1 AMPERE / DO-214AC (SMA) / Halogen-free



SS12H	20	1	30	0.5	1	0.50	SS12.
SS14H	40	1	30	0.5	1	0.50	SS14.
SS16H	60	1	30	0.5	1	0.70	SS16.
SS110H	100	1	30	0.5	1	0.85	SS110.

1 AMPERE / DO-204AL (DO-41)



1N5817	20	1	25	1	1	0.45	1N5817
1N5818	30	1	25	1	1	0.55	1N5818
1N5819	40	1	25	1	1	0.60	1N5819

1 AMPERE / DO-204AL (DO-41)



SB120	20	1	30	0.5	1	0.50	SB120
SB140	40	1	30	0.5	1	0.50	SB140
SB160	60	1	30	0.5	1	0.70	SB160
SB1100	100	1	30	0.5	1	0.85	SB110

2 AMPERE / DO-214AC (SMA)



SS22	20	2	50	0.5	2	0.50	SS22
SS24	40	2	50	0.5	2	0.50	SS24
SS26	60	2	50	0.5	2	0.70	SS26
SS210	100	2	50	0.5	2	0.85	SS210

2 AMPERE / DO-214AC (SMA) / Halogen-free



SS22H	20	2	50	0.5	2	0.50	SS22.
SS24H	40	2	50	0.5	2	0.50	SS24.
SS26H	60	2	50	0.5	2	0.70	SS26.
SS210H	100	2	50	0.5	2	0.85	SS210.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

2 AMPERE / DO-204AL (DO-41)

SB220	20	2	50	0.5	2	0.50	SB220
SB240	40	2	50	0.5	2	0.50	SB240
SB260	60	2	50	0.5	2	0.70	SB260
SB2100	100	2	50	0.5	2	0.85	SB2100
SB2150	150	2	50	0.5	2	0.87	SB2150
SB2200	200	2	50	0.5	2	0.90	SB2200

3 AMPERE / DO-214AA (SMB)

SS32	20	3	80	0.5	3	0.50	SS32
SS34	40	3	80	0.5	3	0.50	SS34
SS36	60	3	80	0.5	3	0.70	SS36
SS310	100	3	80	0.5	3	0.85	SS310

3 AMPERE / DO-214AA (SMB) / Halogen-free

SS32H	20	3	80	0.5	3	0.50	SS32.
SS34H	40	3	80	0.5	3	0.50	SS34.
SS36H	60	3	80	0.5	3	0.70	SS36.
SS310H	100	3	80	0.5	3	0.85	SS310.

3 AMPERE / DO-214AB (SMC)

SC32	20	3.0	100	0.5	3	0.50	SC32
SC34	40	3.0	100	0.5	3	0.50	SC34
SC36	60	3.0	100	0.5	3	0.70	SC36
SC310	100	3.0	100	0.5	3	0.85	SC310

3 AMPERE / DO-214AB (SMC) / Halogen-free

SC32H	20	3	100	0.5	3	0.50	SC32.
SC34H	40	3	100	0.5	3	0.50	SC34.
SC36H	60	3	100	0.5	3	0.70	SC36.
SC310H	100	3	100	0.5	3	0.85	SC310.

3 AMPERE / DO-201AD (DO-27)

1N5820	20	3	80	2	3	0.475	1N5820
1N5821	30	3	80	2	3	0.500	1N5821
1N5822	40	3	80	2	3	0.525	1N5822

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

3 AMPERE / DO-201AD (DO-27)



SB320	20	3	80	0.5	3	0.50	SB320
SB340	40	3	80	0.5	3	0.50	SB340
SB360	60	3	80	0.5	3	0.70	SB360
SB3100	100	3	80	0.5	3	0.85	SB3100
SB3150	150	3	80	0.05	3	0.87	SB3150
SB3200	200	3	80	0.05	3	0.90	SB3200

5 AMPERE / DO-214AB (SMC)



SC52	20	5	125	0.5	5	0.55	SC52
SC54	40	5	125	0.5	5	0.55	SC54
SC56	60	5	125	0.5	5	0.70	SC56
SC510	100	5	125	0.5	5	0.85	SC510

5 AMPERE / DO-214AB (SMC) / Halogen-free



SC52H	20	5	125	0.5	5	0.55	SC52.
SC54H	40	5	125	0.5	5	0.55	SC54.
SC56H	60	5	125	0.5	5	0.70	SC56.
SC510H	100	5	125	0.5	5	0.85	SC510.

5 AMPERE / DO-201AD (DO-27)



SB520	20	5	150	0.5	5	0.55	SB520
SB540	40	5	150	0.5	5	0.55	SB540
SB560	60	5	150	0.5	5	0.70	SB560
SB5100	100	5	150	0.5	5	0.85	SB5100
SB5150	150	5	100	0.05	5	0.87	SB5150
SB5200	200	5	100	0.05	5	0.90	SB5200

8 AMPERE / DO-201AD (DO-27)



SB840	40	8	175	0.5	8	0.55	SB840
SB860	60	8	175	0.5	8	0.70	SB860

SCHOTTKY BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

1 AMPERE / MBCN / **Halogen-free**

Ultra Mini Bridge



PATENTED

SLX104MH	40	1	20	0.1	1	0.55	104 M
SLX106UH	60	1	20	0.05	1	0.60	106 U

1 AMPERE / MBC / **Halogen-free**

Superchip



PATENTED

SMBC104H	40	1	30	0.2	1	0.50	SMBC 104
SMBC106H	60	1	30	0.2	1	0.70	SMBC 106
SMBC110H	100	1	30	0.2	1	0.85	SMBC 110

2 AMPERE / MBCN / **Halogen-free**

Ultra Mini Bridge



PATENTED

SLX204MH	40	2	40	0.1	2	0.55	204 M
SLX204MAH	40	2	30	0.1	2	0.57	204 MA
SLX204UH	40	2	40	0.2	2	0.49	204 U
SLX206UH	60	2	40	0.25	2	0.57	206 U

2 AMPERE / MBC / **Halogen-free**

Superchip



PATENTED

SMBC204H	40	2	50	0.2	2	0.50	SMBC 204
SMBC206H	60	2	50	0.2	2	0.70	SMBC 206
SMBC210H	100	2	50	0.2	2	0.85	SMBC 210

3 AMPERE / MBC / **Halogen-free**

Superchip



PATENTED

SMBC304MH	40	3	65	0.1	3	0.55	SMBC 304M
SMBC306MH	60	3	80	0.05	3	0.70	SMBC 306M

TO-220 / ITO-220 SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Equivalent Circuit Diagram
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

10 AMPERE / TO-220AB / Halogen-free



SBL1040CTSH	40	10	150	0.20	5	0.55	CIRCUIT 1
SBL1045CTSH	45	10	150	0.20	5	0.55	CIRCUIT 1
SBL1060CTSH	60	10	150	0.20	5	0.70	CIRCUIT 1
MBR10100CTSH	100	10	150	0.01	5	0.82	CIRCUIT 1
MBR10150CTSH	150	10	175	0.005	5	0.88	CIRCUIT 1
MBR10200CTSH	200	10	175	0.005	5	0.90	CIRCUIT 1

10 AMPERE / ITO-220AB / Halogen-free



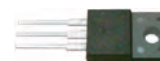
SBL1040CFSH	40	10	150	0.20	5	0.55	CIRCUIT 1
SBL1045CFSH	45	10	150	0.20	5	0.55	CIRCUIT 1
SBL1060CFSH	60	10	150	0.20	5	0.70	CIRCUIT 1
MBR10100CFSH	100	10	150	0.01	5	0.82	CIRCUIT 1
MBR10150CFSH	150	10	175	0.005	5	0.88	CIRCUIT 1
MBR10200CFSH	200	10	175	0.005	5	0.90	CIRCUIT 1

20 AMPERE / TO-220AB / Halogen-free



SBL2040CTSH	40	20	200	0.50	10	0.55	CIRCUIT 1
SBL2045CTSH	45	20	200	0.50	10	0.55	CIRCUIT 1
SBL2060CTSH	60	20	200	0.50	10	0.70	CIRCUIT 1
MBR20100CTSH	100	20	200	0.01	10	0.82	CIRCUIT 1
MBR20150CTSH	150	20	200	0.005	10	0.90	CIRCUIT 1
MBR20200CTSH	200	20	200	0.005	10	0.90	CIRCUIT 1

20 AMPERE / ITO-220AB / Halogen-free



SBL2040CFSH	40	20	200	0.50	10	0.55	CIRCUIT 1
SBL2045CFSH	45	20	200	0.50	10	0.55	CIRCUIT 1
SBL2060CFSH	60	20	200	0.50	10	0.70	CIRCUIT 1
MBR20100CFSH	100	20	200	0.01	10	0.82	CIRCUIT 1
MBR20150CFSH	150	20	200	0.005	10	0.90	CIRCUIT 1
MBR20200CFSH	200	20	200	0.005	10	0.90	CIRCUIT 1

EQUIVALENT CIRCUIT DIAGRAM

CIRCUIT TYPE	CIRCUIT 1	CIRCUIT 2
SYMBOL		

TO-220 / ITO-220 SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Equivalent Circuit Diagram
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

20 AMPERE / TO-263 (D²PAK) / Halogen-free



SBL2045U	45	20	300	0.15	20	0.52	CIRCUIT 2
SBLD2045CUA	45	20	200	0.25	10	0.46	CIRCUIT 1

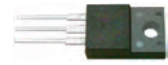
NOTE : The objective specification for product development, spec is subject to change, please contact ZOWIE for updated status.

30 AMPERE / TO-220AB / Halogen-free



SBL3040CTSH	40	30	275	0.50	15	0.55	CIRCUIT 1
SBL3045CTSH	45	30	275	0.50	15	0.55	CIRCUIT 1
SBL3060CTSH	60	30	275	0.50	15	0.70	CIRCUIT 1
MBR30100CTSH	100	30	275	0.01	15	0.85	CIRCUIT 1
MBR30150CTSH	150	30	275	0.005	15	0.88	CIRCUIT 1
MBR30200CTSH	200	30	275	0.005	15	0.90	CIRCUIT 1

30 AMPERE / ITO-220AB / Halogen-free



SBL3040CFSH	40	30	275	0.50	15	0.55	CIRCUIT 1
SBL3045CFSH	45	30	275	0.50	15	0.55	CIRCUIT 1
SBL3060CFSH	60	30	275	0.50	15	0.70	CIRCUIT 1
MBR30100CFSH	100	30	275	0.01	15	0.85	CIRCUIT 1
MBR30150CFSH	150	30	275	0.005	15	0.88	CIRCUIT 1
MBR30200CFSH	200	30	275	0.005	15	0.90	CIRCUIT 1

40 AMPERE / TO-263 (D²PAK) / Halogen-free



SBLD4045CU	45	40	280	0.35	20	0.54	CIRCUIT 1
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NOTE : The objective specification for product development, spec is subject to change, please contact ZOWIE for updated status.

EQUIVALENT CIRCUIT DIAGRAM

CIRCUIT TYPE	CIRCUIT 1	CIRCUIT 2
SYMBOL		

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

1 AMPERE / SOD-123FL / Halogen-free

ASGC10JUH	600	1	30	5	1	1.1	A5
ASGC10MUH	1000	1	30	5	1	1.1	A7

1 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip Superex II

SGC10DH	200	1	15	2	1	1.00	10 DD.
SGC10DLH	200	1	35	5	1	0.95	10 DL.
SGC10GH	400	1	15	2	1	1.00	10 DG.
SGC10GLH	400	1	35	5	1	0.95	10 GL.
SGC10JH	600	1	15	2	1	1.00	10 DJ.
SGC10JLH	600	1	35	5	1	0.95	10 JL.
SGC10KH	800	1	15	2	1	1.00	10 DK.
SGC10KLH	800	1	35	5	1	0.95	10 KL.
SGC10MH	1000	1	15	2	1	1.00	10 DM.
SGC10MLH	1000	1	35	5	1	0.95	10 ML.

1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free Superchip Superex II

BYD17ZDH	200	1	30	1	1	1.00	17 ZD.
BYD17ZGH	400	1	30	1	1	1.00	17 ZG.
BYD17ZJH	600	1	30	1	1	1.00	17 ZJ.
BYD17ZKH	800	1	30	1	1	1.00	17 ZK.
BYD17ZMH	1000	1	30	1	1	1.00	17 ZM.

1 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II

GC10DH	200	1	30	5	1	1.00	GC 10D.
GC10DLH	200	1	40	5	1	0.93	GC 10DL.
GC10GH	400	1	30	5	1	1.00	GC 10G.
GC10GLH	400	1	40	5	1	0.93	GC 10GL.
GC10JH	600	1	30	5	1	1.00	GC 10J.
GC10JLH	600	1	40	5	1	0.93	GC 10JL.
GC10KH	800	1	30	5	1	1.00	GC 10K.
GC10KLH	800	1	40	5	1	0.93	GC 10KL.
GC10MH	1000	1	30	5	1	1.00	GC 10M.
GC10MLH	1000	1	40	5	1	0.93	GC 10ML.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

1 AMPERE / DO-204AL (DO-41) Superex II



PATENTED

GP10D	200	1	30	5	1	1.00	GP10D
GP10DL	200	1	50	5	1	0.90	GP10DL
GP10G	400	1	30	5	1	1.00	GP10G
GP10GL	400	1	50	5	1	0.90	GP10GL
GP10J	600	1	30	5	1	1.00	GP10J
GP10JL	600	1	50	5	1	0.90	GP10JL
GP10K	800	1	30	5	1	1.00	GP10K
GP10KL	800	1	50	5	1	0.92	GP10KL
GP10M	1000	1	30	5	1	1.00	GP10M
GP10ML	1000	1	50	5	1	0.92	GP10ML
GP10Q	1200	1	30	5	1	1.25	GP10Q
GP10V	1400	1	30	5	1	1.25	GP10V
GP10Y	1600	1	30	5	1	1.25	GP10Y
GP02-20	2000	1	30	5	1	2.00	GP02-20

1 AMPERE / DO-214AC (SMA) Superex II



PATENTED

GF10D	200	1	30	5	1	1.00	S10D
GF10DL	200	1	45	5	1	0.91	S10DL
GF10G	400	1	30	5	1	1.00	S10G
GF10GL	400	1	45	5	1	0.91	S10GL
GF10J	600	1	30	5	1	1.00	S10J
GF10JL	600	1	45	5	1	0.91	S10JL
GF10K	800	1	30	5	1	1.00	S10K
GF10KL	800	1	40	5	1	0.92	S10KL
GF10M	1000	1	30	5	1	1.00	S10M
GF10ML	1000	1	40	5	1	0.92	S10ML
GF10Q	1200	1	30	5	1	1.25	S10Q
GF10Y	1600	1	30	5	1	1.25	S10Y
GF02-20	2000	1	30	5	1	2.00	S02-20

2 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II



PATENTED

GC20DH	200	2	50	5	2	1.00	GC 20D.
GC20DLH	200	2	65	5	2	0.93	GC 20DL.
GC20GH	400	2	50	5	2	1.00	GC 20G.
GC20GLH	400	2	65	5	2	0.93	GC 20GL.
GC20JH	600	2	50	5	2	1.00	GC 20J.
GC20JLH	600	2	65	5	2	0.93	GC 20JL.
GC20KH	800	2	50	5	2	1.00	GC 20K.
GC20KLH	800	2	60	5	2	0.93	GC 20KL.
GC20MH	1000	2	50	5	2	1.00	GC 20M.
GC20MLH	1000	2	60	5	2	0.93	GC 20ML.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

2 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / **Halogen-free** Superchip Superex II



PATENTED

BGC20DH	200	2	50	5	2	1.00	BGC 20D
BGC20DLH	200	2	65	5	2	0.93	BGC 20DL
BGC20GH	400	2	50	5	2	1.00	BGC 20G
BGC20GLH	400	2	65	5	2	0.93	BGC 20GL
BGC20JH	600	2	50	5	2	1.00	BGC 20J
BGC20JLH	600	2	65	5	2	0.93	BGC 20JL
BGC20KH	800	2	50	5	2	1.00	BGC 20K
BGC20KLH	800	2	60	5	2	0.93	BGC 20KL
BGC20MH	1000	2	50	5	2	1.00	BGC 20M
BGC20MLH	1000	2	60	5	2	0.93	BGC 20ML

2 AMPERE / DO-204AC (DO-15) Superex II



PATENTED

GP20D	200	2	65	5	2	1.00	GP20D
GP20DL	200	2	100	5	2	0.90	GP20DL
GP20G	400	2	65	5	2	1.00	GP20G
GP20GL	400	2	100	5	2	0.90	GP20GL
GP20J	600	2	65	5	2	1.00	GP20J
GP20JL	600	2	100	5	2	0.90	GP20JL
GP20K	800	2	65	5	2	1.00	GP20K
GP20KL	800	2	100	5	2	0.92	GP20KL
GP20M	1000	2	65	5	2	1.00	GP20M
GP20ML	1000	2	100	5	2	0.92	GP20ML

2 AMPERE / DO-214AA (SMB) Superex II



PATENTED

GF20D	200	2	65	5	2	1.00	S20D
GF20DL	200	2	85	5	2	0.91	S20DL
GF20G	400	2	65	5	2	1.00	S20G
GF20GL	400	2	85	5	2	0.91	S20GL
GF20J	600	2	65	5	2	1.00	S20J
GF20JL	600	2	85	5	2	0.91	S20JL
GF20K	800	2	65	5	2	1.00	S20K
GF20KL	800	2	75	5	2	0.92	S20KL
GF20M	1000	2	65	5	2	1.00	S20M
GF20ML	1000	2	75	5	2	0.92	S20ML

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

3 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free
Superchip Superex II



PATENTED

BGC30DH	200	3	95	5	3	1.00	BGC 30D
BGC30DLH	200	3	115	5	3	0.93	BGC 30DL
BGC30GH	400	3	95	5	3	1.00	BGC 30G
BGC30GLH	400	3	115	5	3	0.93	BGC 30GL
BGC30JH	600	3	95	5	3	1.00	BGC 30J
BGC30JLH	600	3	115	5	3	0.93	BGC 30JL
BGC30KH	800	3	95	5	3	1.00	BGC 30K
BGC30KLH	800	3	110	5	3	0.93	BGC 30KL
BGC30MH	1000	3	95	5	3	1.00	BGC 30M
BGC30MLH	1000	3	110	5	3	0.93	BGC 30ML

3 AMPERE / 3220 (Equivalent to DO-214AB / SMC) / Halogen-free
Superchip Superex II



PATENTED

CGC30DH	200	3	100	5	3	1.00	CGC 30D
CGC30DLH	200	3	120	5	3	0.93	CGC 30DL
CGC30GH	400	3	100	5	3	1.00	CGC 30G
CGC30GLH	400	3	120	5	3	0.93	CGC 30GL
CGC30JH	600	3	100	5	3	1.00	CGC 30J
CGC30JLH	600	3	120	5	3	0.93	CGC 30JL
CGC30KH	800	3	100	5	3	1.00	CGC 30K
CGC30KLH	800	3	120	5	3	0.93	CGC 30KL
CGC30MH	1000	3	100	5	3	1.00	CGC 30M
CGC30MLH	1000	3	120	5	3	0.93	CGC 30ML

3 AMPERE / DO-201AD (DO-27)
Superex II



PATENTED

GP30D	200	3	125	5	3	1.00	GP30D
GP30DL	200	3	140	5	3	0.90	GP30DL
GP30G	400	3	125	5	3	1.00	GP30G
GP30GL	400	3	140	5	3	0.90	GP30GL
GP30J	600	3	125	5	3	1.00	GP30J
GP30JL	600	3	140	5	3	0.90	GP30JL
GP30K	800	3	125	5	3	1.00	GP30K
GP30KL	800	3	140	5	3	0.92	GP30KL
GP30M	1000	3	125	5	3	1.00	GP30M
GP30ML	1000	3	140	5	3	0.92	GP30ML

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

3 AMPERE / DO-214AA (SMB) Superex II



GF30D	200	3	115	5	3	1.00	S30D
GF30DL	200	3	140	5	3	0.91	S30DL
GF30G	400	3	115	5	3	1.00	S30G
GF30GL	400	3	140	5	3	0.91	S30GL
GF30J	600	3	115	5	3	1.00	S30J
GF30JL	600	3	140	5	3	0.91	S30JL
GF30K	800	3	115	5	3	1.00	S30K
GF30KL	800	3	125	5	3	0.92	S30KL
GF30M	1000	3	115	5	3	1.00	S30M
GF30ML	1000	3	125	5	3	0.92	S30ML

10 AMPERE / R-6 Superex II



GP100GC	400	10	400	0.2	10	1.00	GP100GC
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10 AMPERE / P-600 Superex II



GP100G	400	10	400	0.2	10	1.00	GP100G
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SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip Superex II

 **PATENTED**

SRGC10DH	200	1	15	5	1	1.30	150	10 RD.
SRGC10GH	400	1	15	5	1	1.30	150	10 RG.
SRGC10JH	600	1	15	5	1	1.30	250	10 RJ.
SRGC10KH	800	1	15	5	1	1.30	300	10 RK.
SRGC10MH	1000	1	15	5	1	1.30	300	10 RM.

1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free Superchip Superex II

 **PATENTED**

BYD37ZDH	200	1	30	1	1	1.30	250	37 ZD.
BYD37ZGH	400	1	30	1	1	1.30	250	37 ZG.
BYD37ZJH	600	1	30	1	1	1.30	250	37 ZJ.
BYD37ZKH	800	1	30	1	1	1.30	300	37 ZK.
BYD37ZMH	1000	1	30	1	1	1.30	300	37 ZM.

1 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II

 **PATENTED**

RGC10DH	200	1	30	5	1	1.30	150	RGC 10D.
RGC10GH	400	1	30	5	1	1.30	150	RGC 10G.
RGC10JH	600	1	30	5	1	1.30	250	RGC 10J.
RGC10KH	800	1	30	5	1	1.30	300	RGC 10K.
RGC10MH	1000	1	30	5	1	1.30	500	RGC 10M.
RGC10MLH	1000	1	60	1	1	1.20	500	RGC 10ML.

1 AMPERE / DO-204AL (DO-41) Superex II

 **PATENTED**

RGP10D	200	1	30	5	1	1.30	150	RGP10D
RGP10G	400	1	30	5	1	1.30	150	RGP10G
RGP10J	600	1	30	5	1	1.30	250	RGP10J
RGP10JA	600	1	30	5	1	1.30	150	RGP10JA
RGP10K	800	1	30	5	1	1.30	500	RGP10K
RGP10KA	800	1	30	5	1	1.30	300	RGP10KA
RGP10M	1000	1	30	5	1	1.30	500	RGP10M
RGP10MA	1000	1	30	5	1	1.30	300	RGP10MA

1 AMPERE / DO-204AL (DO-41) Superex II

 **PATENTED**

RGP02-12	1200	1	20	5	1	1.80	300	RGP02-12
RGP02-15	1500	1	20	5	1	1.80	300	RGP02-15
RGP02-18	1800	1	20	5	1	1.80	300	RGP02-18
RGP02-20	2000	1	20	5	1	1.80	300	RGP02-20

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1 AMPERE / DO-214AC (SMA) Superex II



RGF10D	200	1	30	5	1	1.30	150	R10D
RGF10G	400	1	30	5	1	1.30	150	R10G
RGF10J	600	1	30	5	1	1.30	250	R10J
RGF10JA	600	1	30	5	1	1.30	150	R10JA
RGF10K	800	1	30	5	1	1.30	500	R10K
RGF10KA	800	1	30	5	1	1.30	300	R10KA
RGF10M	1000	1	30	5	1	1.30	500	R10M
RGF10MA	1000	1	30	5	1	1.30	300	R10MA

2 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II



RGC20DH	200	2	60	5	2	1.30	150	RGC 20D.
RGC20GH	400	2	60	5	2	1.30	150	RGC 20G.
RGC20JH	600	2	60	5	2	1.30	250	RGC 20J.
RGC20KH	800	2	60	5	2	1.30	300	RGC 20K.
RGC20MH	1000	2	60	5	2	1.30	500	RGC 20M.

2 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



BRGC20DH	200	2	60	5	2	1.30	150	BRGC 20D.
BRGC20GH	400	2	60	5	2	1.30	150	BRGC 20G.
BRGC20JH	600	2	60	5	2	1.30	250	BRGC 20J.
BRGC20KH	800	2	60	5	2	1.30	300	BRGC 20K.
BRGC20MH	1000	2	60	5	2	1.30	500	BRGC 20M.

2 AMPERE / DO-204AC (DO-15) Superex II



RGP20D	200	2	65	5	2	1.30	150	RGP20D
RGP20G	400	2	65	5	2	1.30	150	RGP20G
RGP20J	600	2	65	5	2	1.30	250	RGP20J
RGP20JA	600	2	65	5	2	1.30	150	RGP20JA
RGP20K	800	2	65	5	2	1.30	500	RGP20K
RGP20KA	800	2	65	5	2	1.30	300	RGP20KA
RGP20M	1000	2	65	5	2	1.30	500	RGP20M
RGP20MA	1000	2	65	5	2	1.30	300	RGP20MA

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

2 AMPERE / DO-214AA (SMB) Superex II



PATENTED

RGF20D	200	2	65	5	2	1.30	150	R20D
RGF20G	400	2	65	5	2	1.30	150	R20G
RGF20J	600	2	65	5	2	1.30	250	R20J
RGF20JA	600	2	65	5	2	1.30	150	R20JA
RGF20K	800	2	65	5	2	1.30	500	R20K
RGF20KA	800	2	65	5	2	1.30	300	R20KA
RGF20M	1000	2	65	5	2	1.30	500	R20M
RGF20MA	1000	2	65	5	2	1.30	300	R20MA

3 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



PATENTED

BRGC30DH	200	3	100	5	3	1.30	150	BRGC 30D
BRGC30GH	400	3	100	5	3	1.30	150	BRGC 30G
BRGC30JH	600	3	100	5	3	1.30	250	BRGC 30J
BRGC30KH	800	3	100	5	3	1.30	300	BRGC 30K
BRGC30MH	1000	3	100	5	3	1.30	500	BRGC 30M

3 AMPERE / DO-201AD (DO-27) Superex II



PATENTED

RGP30D	200	3	125	5	3	1.30	150	RGP30D
RGP30G	400	3	125	5	3	1.30	150	RGP30G
RGP30J	600	3	125	5	3	1.30	250	RGP30J
RGP30JA	600	3	125	5	3	1.30	150	RGP30JA
RGP30K	800	3	125	5	3	1.30	500	RGP30K
RGP30KA	800	3	125	5	3	1.30	300	RGP30KA
RGP30M	1000	3	125	5	3	1.30	500	RGP30M
RGP30MA	1000	3	125	5	3	1.30	300	RGP30MA

3 AMPERE / DO-214AA (SMB) Superex II



PATENTED

RGF30D	200	3	115	5	3	1.30	150	R30D
RGF30G	400	3	115	5	3	1.30	150	R30G
RGF30J	600	3	115	5	3	1.30	250	R30J
RGF30JA	600	3	115	5	3	1.30	150	R30JA
RGF30K	800	3	115	5	3	1.30	500	R30K
RGF30KA	800	3	115	5	3	1.30	300	R30KA
RGF30M	1000	3	115	5	3	1.30	500	R30M
RGF30MA	1000	3	115	5	3	1.30	300	R30MA

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

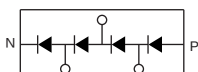
5000V High Voltage

0.15 AMPERE / 8034
Superchip

 **PATENTED**

ZEGC5MM	5000	0.15	5	8	0.15	16	60	E5MM
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Note: CKT connection of 8034 package.



1 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip Superex II

 **PATENTED**

SEGC10DH	200	1	15	5	1	1.00	50	10 ED.
SEGC10GH	400	1	15	5	1	1.25	50	10 EG.
SEGC10JH	600	1	15	5	1	1.70	75	10 EJ.
SEGC10KH	800	1	15	5	1	1.70	75	10 EK.
SEGC10MH	1000	1	15	5	1	1.70	75	10 EM.

1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free
Superchip Superex II

 **PATENTED**

BYD57ZDH	200	1	30	5	1	1.70	50	57 ZD.
BYD57ZGH	400	1	30	5	1	1.70	50	57 ZG.
BYD57ZJH	600	1	30	5	1	1.70	50	57 ZJ.
BYD57ZKH	800	1	25	5	1	1.70	75	57 ZK.
BYD57ZMH	1000	1	25	5	1	1.70	75	57 ZM.

1 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip Superex II

 **PATENTED**

EGC10DH	200	1	30	5	1	1.00	50	EGC 10D.
EGC10GH	400	1	30	5	1	1.25	50	EGC 10G.
EGC10JH	600	1	25	5	1	1.70	75	EGC 10J.
EGC10KH	800	1	25	5	1	1.70	75	EGC 10K.
EGC10MH	1000	1	25	5	1	1.70	75	EGC 10M.

1 AMPERE / DO-204AL (DO-41)
Superex II

 **PATENTED**

EGP10D	200	1	30	5	1	1.00	50	EGP10D
EGP10G	400	1	30	5	1	1.25	50	EGP10G
EGP10J	600	1	30	5	1	1.70	75	EGP10J
EGP10K	800	1	30	5	1	1.70	75	EGP10K
EGP10M	1000	1	30	5	1	1.70	75	EGP10M

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1 AMPERE / DO-214AC (SMA) Superex II

 **PATENTED**

EGF10D	200	1	30	5	1	1.00	50	E10D
EGF10G	400	1	30	5	1	1.25	50	E10G
EGF10J	600	1	30	5	1	1.70	75	E10J
EGF10K	800	1	30	5	1	1.70	75	E10K
EGF10M	1000	1	30	5	1	1.70	75	E10M

2 AMPERE / 2110 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II

 **PATENTED**

EGC20DH	200	2	50	5	2	1.00	50	EGC20D.
EGC20GH	400	2	50	5	2	1.25	50	EGC20G.
EGC20JH	600	2	50	5	2	1.70	75	EGC20J.
EGC20KH	800	2	50	5	2	1.70	75	EGC20K.
EGC20MH	1000	2	50	5	2	1.70	75	EGC20M.

2 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II

 **PATENTED**

BEGC20DH	200	2	50	5	2	1.00	50	BEGC20D.
BEGC20GH	400	2	50	5	2	1.25	50	BEGC20G.
BEGC20JH	600	2	50	5	2	1.70	75	BEGC20J.
BEGC20KH	800	2	50	5	2	1.70	75	BEGC20K.
BEGC20MH	1000	2	50	5	2	1.70	75	BEGC20M.

2 AMPERE / DO-204AC (DO-15) Superex II

 **PATENTED**

EGP20D	200	2	65	5	2	1.00	50	EGP20D
EGP20G	400	2	65	5	2	1.25	50	EGP20G
EGP20J	600	2	60	5	2	1.70	75	EGP20J
EGP20K	800	2	60	5	2	1.70	75	EGP20K
EGP20M	1000	2	60	5	2	1.70	75	EGP20M

2 AMPERE / DO-214AA (SMB) Superex II

 **PATENTED**

EGF20D	200	2	65	5	2	1.00	50	E20D
EGF20G	400	2	65	5	2	1.25	50	E20G
EGF20J	600	2	60	5	2	1.70	75	E20J
EGF20K	800	2	60	5	2	1.70	75	E20K
EGF20M	1000	2	60	5	2	1.70	75	E20M

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

3 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



PATENTED

BEGC30DH	200	3	95	5	3	1.00	50	BEGC 30D
BEGC30GH	400	3	95	5	3	1.25	50	BEGC 30G
BEGC30JH	600	3	95	5	3	1.70	75	BEGC 30J
BEGC30KH	800	3	95	5	3	1.70	75	BEGC 30K
BEGC30MH	1000	3	95	5	3	1.70	75	BEGC 30M

3 AMPERE / DO-201AD (DO-27) Superex II



PATENTED

EGP30D	200	3	125	5	3	1.00	50	EGP30D
EGP30G	400	3	125	5	3	1.25	50	EGP30G
EGP30J	600	3	115	5	3	1.70	75	EGP30J
EGP30K	800	3	115	5	3	1.70	75	EGP30K
EGP30M	1000	3	115	5	3	1.70	75	EGP30M

3 AMPERE / DO-214AA (SMB) Superex II



PATENTED

EGF30D	200	3	115	5	3	1.00	50	E30D
EGF30G	400	3	115	5	3	1.25	50	E30G
EGF30J	600	3	105	5	3	1.70	75	E30J
EGF30K	800	3	105	5	3	1.70	75	E30K
EGF30M	1000	3	105	5	3	1.70	75	E30M

5 AMPERE / DO-201AD (DO-27) Superex II



PATENTED

EGP50D	200	5	150	5	5	1.25	50	EGP50D
EGP50G	400	5	150	5	5	1.25	50	EGP50G

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

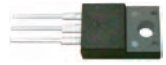
TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1
	V	A	A	uA	A	V	nS

10 AMPERE / TO-220AB



EGZ10DCT	200	10	125	5	5	1.00	50
EGZ10GCT	400	10	125	5	5	1.25	50
EGZ10JCT	600	10	125	5	5	1.70	75

10 AMPERE / ITO-220AB



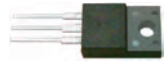
EGZ10DCF	200	10	125	5	5	1.00	50
EGZ10GCF	400	10	125	5	5	1.25	50
EGZ10JCF	600	10	125	5	5	1.70	75

12 AMPERE / TO-220AB



EGZ12DCT	200	12	125	5	6	1.00	50
EGZ12GCT	400	12	125	5	6	1.25	50
EGZ12JCT	600	12	125	5	6	1.70	75

12 AMPERE / ITO-220AB



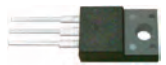
EGZ12DCF	200	12	125	5	6	1.00	50
EGZ12GCF	400	12	125	5	6	1.25	50
EGZ12JCF	600	12	125	5	6	1.70	75

16 AMPERE / TO-220AB



EGZ16DCT	200	16	125	5	8	1.00	50
EGZ16GCT	400	16	125	5	8	1.25	50
EGZ16JCT	600	16	125	5	8	1.70	75

16 AMPERE / ITO-220AB



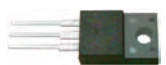
EGZ16DCF	200	16	125	5	8	1.00	50
EGZ16GCF	400	16	125	5	8	1.25	50
EGZ16JCF	600	16	125	5	8	1.70	75

20 AMPERE / TO-220AB



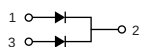
EGZ20DCT	200	20	150	5	10	1.00	50
EGZ20GCT	400	20	150	5	10	1.25	50
EGZ20JCT	600	20	150	5	10	1.70	75

20 AMPERE / ITO-220AB



EGZ20DCF	200	20	150	5	10	1.00	50
EGZ20GCF	400	20	150	5	10	1.25	50
EGZ20JCF	600	20	150	5	10	1.70	75

NOTE : CKT connection of TO-220AB and ITO-220AB



SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

0.8 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip Superex II



SUGC08KH	800	0.8	15	5	0.8	2.50	35	08 UK.
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1 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip Superex II



SUGC10DH	200	1	15	5	1	0.96	35	10 UD.
SUGC10GH	400	1	15	5	1	1.30	35	10 UG.
SUGC10JH	600	1	15	5	1	1.70	35	10 UJ.
SUGC10KH	800	1	15	5	1	2.50	35	10 UK.

1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free Superchip Superex II



BYD77ZDH	200	1	30	1	1	1.00	50	77 ZD.
BYD77ZGH	400	1	30	1	1	1.00	50	77 ZG.

1 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free Superchip Superex II



BYD127ZH	200	1	30	2	1	0.96	35	127 Z.
BYD147ZH	400	1	30	5	1	1.30	35	147 Z.
BYD167ZH	600	1	25	5	1	1.70	35	167 Z.
BYD187ZH	800	1	25	5	1	2.50	35	187 Z.

1 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II



UGC10DH	200	1	30	5	1	0.95	35	UGC 10D.
UGC10GH	400	1	30	5	1	1.25	35	UGC 10G.
UGC10JH	600	1	25	5	1	1.70	35	UGC 10J.
UGC10KH	800	1	25	5	1	2.20	35	UGC 10K.

1 AMPERE / DO-204AL (DO-41) Superex II



UGP10D	200	1	30	5	1	0.95	35	UGP10D
UGP10G	400	1	30	5	1	1.25	35	UGP10G
UGP10J	600	1	25	5	1	1.70	35	UGP10J
UGP10K	800	1	25	5	1	2.20	35	UGP10K

SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1 AMPERE / DO-214AC (SMA) Superex II

 **PATENTED**

UGF10D	200	1	30	5	1	0.95	35	U10D
UGF10G	400	1	30	5	1	1.25	35	U10G
UGF10J	600	1	25	5	1	1.70	35	U10J
UGF10K	800	1	25	5	1	2.20	35	U10K

2 AMPERE / 210 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II

 **PATENTED**

UGC20DH	200	2	50	5	2	0.95	35	UGC 20D.
UGC20GH	400	2	50	5	2	1.25	35	UGC 20G.
UGC20JH	600	2	50	5	2	1.70	35	UGC 20J.
UGC20KH	800	2	50	5	2	2.20	35	UGC 20K.

2 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II

 **PATENTED**

BUGC20DH	200	2	50	5	2	0.95	35	BUGC 20D.
BUGC20GH	400	2	50	5	2	1.25	35	BUGC 20G.
BUGC20JH	600	2	50	5	2	1.70	35	BUGC 20J.
BUGC20KH	800	2	50	5	2	2.20	35	BUGC 20K.

2 AMPERE / DO-204AC (DO-15) Superex II

 **PATENTED**

UGP20D	200	2	65	5	2	0.95	35	UGP20D
UGP20G	400	2	65	5	2	1.25	35	UGP20G
UGP20J	600	2	60	5	2	1.70	35	UGP20J
UGP20K	800	2	60	5	2	2.20	35	UGP20K

2 AMPERE / DO-214AA (SMB) Superex II

 **PATENTED**

UGF20D	200	2	65	5	2	0.95	35	U20D
UGF20G	400	2	65	5	2	1.25	35	U20G
UGF20J	600	2	60	5	2	1.70	35	U20J
UGF20K	800	2	60	5	2	2.20	35	U20K

SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

3 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



PATENTED

BUGC30DH	200	3	90	5	3	0.95	35	BUGC30D
BUGC30GH	400	3	90	5	3	1.25	35	BUGC30G
BUGC30JH	600	3	90	5	3	1.70	35	BUGC30J
BUGC30KH	800	3	90	5	3	2.20	35	BUGC30K

3 AMPERE / DO-201AD (DO-27) Superex II



PATENTED

UGP30D	200	3	125	5	3	0.95	35	UGP30D
UGP30G	400	3	125	5	3	1.25	35	UGP30G
UGP30J	600	3	115	5	3	1.70	35	UGP30J
UGP30K	800	3	115	5	3	2.20	35	UGP30K

3 AMPERE / DO-214AA (SMB) Superex II



PATENTED

UGF30D	200	3	115	5	3	0.95	35	U30D
UGF30G	400	3	115	5	3	1.25	35	U30G
UGF30J	600	3	105	5	3	1.70	35	U30J
UGF30K	800	3	105	5	3	2.20	35	U30K

4 AMPERE / DO-201AD (DO-27) Superex II



PATENTED

MUR420	200	4	150	10	4	1.28	50	MUR420
MUR460	600	4	150	10	4	1.28	50	MUR460

5 AMPERE / DO-201AD (DO-27) Superex II



PATENTED

UGP50D	200	5	150	5	5	1.10	35	UGP50D
UGP50G	400	5	150	5	5	1.25	35	UGP50G
UGP50J	600	5	150	5	5	1.70	35	UGP50J

SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1
	V	A	A	uA	A	V	nS

6 AMPERE / TO-220AC

UGZ6DT	200	6	90	5	6	1.10	35
UGZ6GT	400	6	90	5	6	1.30	35
UGZ6JT	600	6	90	5	6	1.70	35



6 AMPERE / ITO-220AC

UGZ6DF	200	6	90	5	6	1.10	35
UGZ6GF	400	6	90	5	6	1.30	35
UGZ6JF	600	6	90	5	6	1.70	35



8 AMPERE / TO-220AC

UGZ8DT	200	8	125	5	8	1.10	35
UGZ8GT	400	8	125	5	8	1.30	35
UGZ8JT	600	8	125	5	8	1.70	35



8 AMPERE / ITO-220AC

UGZ8DF	200	8	125	5	8	1.10	35
UGZ8GF	400	8	125	5	8	1.30	35
UGZ8JF	600	8	125	5	8	1.70	35



10 AMPERE / TO-220AC

UGZ10DT	200	10	150	5	10	1.10	35
UGZ10GT	400	10	150	5	10	1.30	35
UGZ10JT	600	10	150	5	10	1.70	35

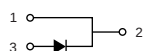


10 AMPERE / ITO-220AC

UGZ10DF	200	10	150	5	10	1.10	35
UGZ10GF	400	10	150	5	10	1.30	35
UGZ10JF	600	10	150	5	10	1.70	35



NOTE : CKT connection of TO-220AC and ITO-220AC



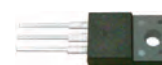
SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1
	V	A	A	uA	A	V	nS



10 AMPERE / TO-220AB

UGZ10DCT	200	10	125	5	5	1.10	35
UGZ10GCT	400	10	125	5	5	1.30	35
UGZ10JCT	600	10	125	5	5	1.70	35



10 AMPERE / ITO-220AB

UGZ10DCF	200	10	125	5	5	1.10	35
UGZ10GCF	400	10	125	5	5	1.30	35
UGZ10JCF	600	10	125	5	5	1.70	35



16 AMPERE / TO-220AB

UGZ16DCT	200	16	150	5	8	1.10	35
UGZ16GCT	400	16	125	5	8	1.30	35
UGZ16JCT	600	16	125	5	8	1.70	35



16 AMPERE / ITO-220AB

UGZ16DCF	200	16	150	5	8	1.10	35
UGZ16GCF	400	16	125	5	8	1.30	35
UGZ16JCF	600	16	125	5	8	1.70	35



20 AMPERE / TO-220AB

UGZ20DCT	200	20	150	5	10	1.10	35
UGZ20GCT	400	20	125	5	10	1.30	35
UGZ20JCT	600	20	125	5	10	1.70	35



20 AMPERE / ITO-220AB

UGZ20DCF	200	20	150	5	10	1.10	35
UGZ20GCF	400	20	125	5	10	1.30	35
UGZ20JCF	600	20	125	5	10	1.70	35

NOTE : CKT connection of TO-220AB and ITO-220AB



MINI BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

1 AMPERE / MBCN / **Halogen-free**
Ultra Mini Bridge



PATENTED

LX10M	1000	1	30	5	0.4	1.00	M
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1 AMPERE / MBCR / **Halogen-free**



PATENTED

MBCR10MPH	1000	1	30	5	1	1.10	MBCR 10MP.
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MINI HIGH EFFICIENCY BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1 AMPERE / MBCR / **Halogen-free**
Superchip Superex II



PATENTED

MBCR10EJH	600	1	25	5	1	1.70	75	MBCR 10EJ.
MBCR10EKH	800	1	25	5	1	1.70	75	MBCR 10EK.
MBCR10EMH	1000	1	25	5	1	1.70	75	MBCR 10EM.

ZPAK™ HIGH THERMAL PERFORMANCE BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

1.6 AMPERE / Z4PAK / Halogen-free

ZPAK™ (High Thermal Performance Package)



PATENTED

Z4GP16MPH	1000	1.6	50	5	1	0.95	Z4GP 16MP.
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2 AMPERE / Z4PAK / Halogen-free

ZPAK™ (High Thermal Performance Package)



PATENTED

Z4GP20JH	600	2	50	5	2	1.00	Z4GP 20J.
Z4GP20KH	800	2	50	5	2	1.00	Z4GP 20K.
Z4GP20MH	1000	2	50	5	2	1.00	Z4GP 20M.
Z4GP20MPH	1000	2	50	5	2	1.10	Z4GP 20MP.

4 AMPERE / Z4PAK-D / Halogen-free

ZPAK™ (High Thermal Performance Package)



PATENTED

Z4GP40JH	600	4	150	5	4	1.00	Z4GP 40J.
Z4GP40KH	800	4	150	5	4	1.00	Z4GP 40K.
Z4GP40MH	1000	4	150	5	4	1.00	Z4GP 40M.

ZPAK™ HIGH THERMAL PERFORMANCE FAST RECOVERY BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

2 AMPERE / Z4PAK / Halogen-free

ZPAK™ (High Thermal Performance Package)



PATENTED

Z4RGP20MH	1000	2	56	5	2	1.25	500	Z4RGP 20M.
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ZPAK™ HIGH THERMAL PERFORMANCE HIGH EFFICIENCY BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

2 AMPERE / Z4PAK / Halogen-free

ZPAK™ (High Thermal Performance Package)



PATENTED

Z4EGP20MH	1000	2	50	5	2	1.70	75	Z4EGP 20M.
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SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

Low VF

4 AMPERE / GBPS-LF
Suprex II



PATENTED

GBPS402LF	200	4	145	5	2	0.92	GBPS402 LF
GBPS404LF	400	4	145	5	2	0.92	GBPS404 LF
GBPS406LF	600	4	145	5	2	0.92	GBPS406 LF
GBPS408LF	800	4	140	5	2	0.92	GBPS408 LF
GBPS410LF	1000	4	140	5	2	0.92	GBPS410 LF

Low VF

10 AMPERE / GBU-L / **Halogen-free**



GBU1008UL	800	10	220	2	5	0.92	GBU1008 UL
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GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

STCD SERIES TVS / 200 WATTS / 1206 Superchip



STCD PART NUMBER		Working Peak Reverse Voltage V _{RWM} (V)	Breakdown Voltage V _{BR} @I _T			Maximum Clamping Voltage V _c (V) @ I _{PP}	Maximum Reverse Surge Current I _{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I _r (μA) @V _{RWM}
UNI- POLAR	BI-POLAR		Min. (V)	Max. (V)	I _T (mA)			
STCD5.0AH	STCD5.0CAH	5.0	6.40	7.00	10	9.2	21.74	400
STCD6.0AH	STCD6.0CAH	6.0	6.67	7.37	10	10.3	19.42	400
STCD6.5AH	STCD6.5CAH	6.5	7.22	7.98	10	11.2	17.86	250
STCD7.0AH	STCD7.0CAH	7.0	7.78	8.60	10	12.0	16.67	100
STCD7.5AH	STCD7.5CAH	7.5	8.33	9.21	1	12.9	15.50	50
STCD8.0AH	STCD8.0CAH	8.0	8.89	9.83	1	13.6	14.71	25
STCD8.5AH	STCD8.5CAH	8.5	9.44	10.40	1	14.4	13.89	10
STCD9.0AH	STCD9.0CAH	9.0	10.00	11.10	1	15.4	12.99	5
STCD10AH	STCD10CAH	10	11.10	12.30	1	17.0	11.76	2.5
STCD11AH	STCD11CAH	11	12.20	13.50	1	18.2	10.99	2.5
STCD12AH	STCD12CAH	12	13.30	14.70	1	19.9	10.05	2.5
STCD13AH	STCD13CAH	13	14.40	15.90	1	21.5	9.30	1
STCD14AH	STCD14CAH	14	15.60	17.20	1	23.2	8.62	1
STCD15AH	STCD15CAH	15	16.70	18.50	1	24.4	8.20	1
STCD16AH	STCD16CAH	16	17.80	19.70	1	26.0	7.69	1
STCD17AH	STCD17CAH	17	18.90	20.90	1	27.6	7.25	1
STCD18AH	STCD18CAH	18	20.00	22.10	1	29.2	6.85	1
STCD19AH	STCD19CAH	19	21.10	23.30	1	30.6	6.54	1
STCD20AH	STCD20CAH	20	22.20	24.50	1	32.4	6.17	1
STCD22AH	STCD22CAH	22	24.40	26.90	1	35.5	5.63	1
STCD24AH	STCD24CAH	24	26.70	29.50	1	38.9	5.14	1
STCD26AH	STCD26CAH	26	28.90	31.90	1	42.1	4.75	1
STCD28AH	STCD28CAH	28	31.10	34.40	1	45.4	4.41	1
STCD30AH	STCD30CAH	30	33.30	36.80	1	48.4	4.13	1
STCD33AH	STCD33CAH	33	36.70	40.60	1	53.3	3.75	1
STCD36AH	STCD36CAH	36	40.00	44.20	1	58.1	3.44	1
STCD40AH	STCD40CAH	40	44.40	49.10	1	64.5	3.10	1
STCD43AH	STCD43CAH	43	47.80	52.80	1	69.4	2.88	1
STCD45AH	STCD45CAH	45	50.00	55.30	1	72.7	2.75	1
STCD48AH	STCD48CAH	48	53.30	58.90	1	77.4	2.58	1
STCD51AH	STCD51CAH	51	56.70	62.70	1	82.4	2.43	1
STCD54AH	STCD54CAH	54	60.00	66.30	1	87.1	2.30	1
STCD58AH	STCD58CAH	58	64.40	71.20	1	93.6	2.14	1
STCD60AH	STCD60CAH	60	66.70	73.70	1	96.8	2.07	1
STCD64AH	STCD64CAH	64	71.10	78.60	1	103.0	1.94	1
STCD70AH	STCD70CAH	70	77.80	86.00	1	113.0	1.77	1
STCD75AH	STCD75CAH	75	83.30	92.10	1	121.0	1.65	1
STCD78AH	STCD78CAH	78	86.70	95.80	1	126.0	1.59	1
STCD80AH	STCD80CAH	80	88.80	97.60	1	129.0	1.55	1
STCD85AH	STCD85CAH	85	94.40	104.00	1	137.0	1.46	1
STCD90AH	STCD90CAH	90	100	111	1	146.0	1.37	1
STCD100AH	STCD100CAH	100	111	123	1	162.0	1.23	1
STCD110AH	STCD110CAH	110	122	135	1	177.0	1.13	1
STCD120AH	STCD120CAH	120	133	147	1	193.0	1.04	1
STCD130AH	STCD130CAH	130	144	159	1	209.0	0.96	1
STCD140AH	STCD140CAH	140	155	171	1	224.0	0.89	1
STCD150AH	STCD150CAH	150	167	185	1	243.0	0.82	1
STCD160AH	STCD160CAH	160	178	197	1	259.0	0.77	1
STCD170AH	STCD170CAH	170	189	209	1	275.0	0.73	1
STCD180AH	STCD180CAH	180	200	220	1	292.0	0.69	1
STCD190AH	STCD190CAH	190	211	232	1	308.0	0.69	1

- NOTE : 1. Suffix " A " denotes 5% tolerance device.
2. Add suffix " CA " after part number to specify Bi-directional devices.
3. For Bi-Directional devices having V_R of 10 volts and under, the I_r limit is double.
4. Preliminary specification.



CoolTc™ GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

SMF4C SERIES TVS / 400 WATTS / A1206 (Equivalent to SOD-123)

CoolTc™



PART NUMBER	Marking Code	Working Peak Reverse Voltage V _{RWM} (V)	Breakdown Voltage V _{BR} @I _T			Maximum Clamping Voltage V _c (V) @ I _{PP}	Maximum Reverse Surge Current I _{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I _R (μA) @V _{RWM}
			Min. (V)	Max. (V)	I _T (mA)			
BI-POLAR								
SMF4C18CAH	CA• 18	18	20.0	22.1	1	29.2	13.70	1
SMF4C20CAH	CA• 20	20	22.2	24.5	1	32.4	12.35	1
SMF4C22CAH	CA• 22	22	24.4	26.9	1	35.5	11.27	1
SMF4C24CAH	CA• 24	24	26.7	29.5	1	38.9	10.28	1
SMF4C26CAH	CA• 26	26	28.9	31.9	1	42.1	9.50	1
SMF4C28CAH	CA• 28	28	31.1	34.4	1	45.4	8.81	1
SMF4C30CAH	CA• 30	30	33.3	36.8	1	48.4	8.26	1
SMF4C33CAH	CA• 33	33	36.7	40.6	1	53.3	7.50	1
SMF4C36CAH	CA• 36	36	40.0	44.2	1	58.1	6.88	1
SMF4C40CAH	CA• 40	40	44.4	49.1	1	64.5	6.20	1
SMF4C43CAH	CA• 43	43	47.8	52.8	1	69.4	5.76	1
SMF4C45CAH	CA• 45	45	50.0	55.3	1	72.7	5.50	1
SMF4C48CAH	CA• 48	48	53.3	58.9	1	77.4	5.17	1
SMF4C51CAH	CA• 51	51	56.7	62.7	1	82.4	4.85	1
SMF4C54CAH	CA• 54	54	60.0	66.3	1	87.1	4.59	1
SMF4C58CAH	CA• 58	58	64.4	71.2	1	93.6	4.27	1
SMF4C60CAH	CA• 60	60	66.7	73.7	1	96.8	4.13	1
SMF4C64CAH	CA• 64	64	71.1	78.6	1	103	3.88	1
SMF4C70CAH	CA• 70	70	77.8	86.0	1	113	3.54	1
SMF4C75CAH	CA• 75	75	83.3	92.1	1	121	3.31	1
SMF4C78CAH	CA• 78	78	86.7	95.8	1	126	3.17	1
SMF4C85CAH	CA• 85	85	94.4	104	1	137	2.92	1
SMF4C90CAH	CA• 90	90	100	111	1	146	2.74	1
SMF4C100CAH	CA• 100	100	111	123	1	162	2.47	1

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

TCD SERIES TVS / 400 WATTS / 2010
Superchip



TCD PART NUMBER		Working Peak Reverse Voltage V _{RWM} (V)	Breakdown Voltage V _{BR} @I _T			Maximum Clamping Voltage V _C (V) @ I _{PP}	Maximum Reverse Surge Current I _{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I _R (μA) @V _{RWM}
UNI- POLAR	BI-POLAR		Min. (V)	Max. (V)	I _T (mA)			
TCD5.0AH	TCD5.0CAH	5.0	6.4	7.00	10	9.2	43.48	800
TCD6.0AH	TCD6.0CAH	6.0	6.7	7.37	10	10.3	38.83	800
TCD6.5AH	TCD6.5CAH	6.5	7.2	7.98	10	11.2	35.71	500
TCD7.0AH	TCD7.0CAH	7.0	7.8	8.60	10	12.0	33.33	200
TCD7.5AH	TCD7.5CAH	7.5	8.3	9.21	1	12.9	31.01	100
TCD8.0AH	TCD8.0CAH	8.0	8.9	9.83	1	13.6	29.41	50
TCD8.5AH	TCD8.5CAH	8.5	9.4	10.4	1	14.4	27.78	10
TCD9.0AH	TCD9.0CAH	9.0	10.0	11.1	1	15.4	25.97	5
TCD10AH	TCD10CAH	10	11.1	12.3	1	17.0	23.53	5
TCD11AH	TCD11CAH	11	12.2	13.5	1	18.2	21.98	5
TCD12AH	TCD12CAH	12	13.3	14.7	1	19.9	20.10	5
TCD13AH	TCD13CAH	13	14.4	15.9	1	21.5	18.60	5
TCD14AH	TCD14CAH	14	15.6	17.2	1	23.2	17.24	5
TCD15AH	TCD15CAH	15	16.7	18.5	1	24.4	16.39	5
TCD16AH	TCD16CAH	16	17.8	19.7	1	26.0	15.38	5
TCD17AH	TCD17CAH	17	18.9	20.9	1	27.6	14.49	5
TCD18AH	TCD18CAH	18	20.0	22.1	1	29.2	13.70	5
TCD19AH	TCD19CAH	19	21.1	23.3	1	30.8	13.00	5
TCD20AH	TCD20CAH	20	22.2	24.5	1	32.4	12.35	5
TCD22AH	TCD22CAH	22	24.4	26.9	1	35.5	11.27	5
TCD24AH	TCD24CAH	24	26.7	29.5	1	38.9	10.28	5
TCD26AH	TCD26CAH	26	28.9	31.9	1	42.1	9.50	5
TCD28AH	TCD28CAH	28	31.1	34.4	1	45.4	8.81	5
TCD30AH	TCD30CAH	30	33.3	36.8	1	48.4	8.26	5
TCD33AH	TCD33CAH	33	36.7	40.6	1	53.3	7.50	5
TCD36AH	TCD36CAH	36	40.0	44.2	1	58.1	6.88	5
TCD40AH	TCD40CAH	40	44.4	49.1	1	64.5	6.20	5
TCD43AH	TCD43CAH	43	47.8	52.8	1	69.4	5.76	5
TCD45AH	TCD45CAH	45	50.0	55.3	1	72.7	5.50	5
TCD48AH	TCD48CAH	48	53.3	58.9	1	77.4	5.17	5
TCD51AH	TCD51CAH	51	56.7	62.7	1	82.4	4.85	5
TCD54AH	TCD54CAH	54	60.0	66.3	1	87.1	4.59	5
TCD58AH	TCD58CAH	58	64.4	71.2	1	93.6	4.27	5
TCD60AH	TCD60CAH	60	66.7	73.7	1	96.8	4.13	5
TCD64AH	TCD64CAH	64	71.1	78.6	1	103	3.88	5
TCD70AH	TCD70CAH	70	77.8	86.0	1	113	3.54	5
TCD75AH	TCD75CAH	75	83.3	92.1	1	121	3.31	5
TCD78AH	TCD78CAH	78	86.7	95.8	1	126	3.17	5
TCD80AH	TCD80CAH	80	88.8	97.6	1	130	3.09	5
TCD85AH	TCD85CAH	85	94.4	104	1	137	2.92	5
TCD90AH	TCD90CAH	90	100	111	1	146	2.74	5
TCD100AH	TCD100CAH	100	111	123	1	162	2.47	5
TCD110AH	TCD110CAH	110	122	135	1	177	2.26	5
TCD120AH	TCD120CAH	120	133	147	1	193	2.07	5
TCD130AH	TCD130CAH	130	144	159	1	209	1.91	5
TCD140AH	TCD140CAH	140	155	171	1	227	1.76	5
TCD150AH	TCD150CAH	150	167	185	1	243	1.65	5
TCD160AH	TCD160CAH	160	178	197	1	259	1.54	5
TCD170AH	TCD170CAH	170	189	209	1	275	1.45	5
TCD180AH	TCD180CAH	180	200	220	1	292	1.37	5
TCD190AH	TCD190CAH	190	211	232	1	308	1.30	5

NOTE : 1. Suffix " A " denotes 5% tolerance device.
2. Add suffix " CA " after part number to specify Bi-directional devices.
3. For Bi-Directional devices having V_R of 10 volts and under, the I_R limit is double.
4. Preliminary specification.

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

SMAJ SERIES TVS / 400 WATTS / DO-214AC (SMA)



SMAJ PART NUMBER		Device Marking Code		Working Peak Reverse Voltage V _{RWM} (V)	Breakdown Voltage V _{BR} @I _T			Maximum Clamping Voltage V _c (V) @ I _{PP}	Maximum Reverse Surge Current I _{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I _r (μA) @V _{RWM}
UNI- POLAR	BI-POLAR	UNI	BI		Min. (V)	Max. (V)	I _T (mA)			
SMAJ5.0A	SMAJ5.0CA	AE	WE	5.0	6.4	7.00	10	9.2	43.48	800
SMAJ6.0A	SMAJ6.0CA	AG	WG	6.0	6.7	7.37	10	10.3	38.83	800
SMAJ6.5A	SMAJ6.5CA	AK	WK	6.5	7.2	7.98	10	11.2	35.71	500
SMAJ7.0A	SMAJ7.0CA	AM	WM	7.0	7.8	8.60	10	12.0	33.33	200
SMAJ7.5A	SMAJ7.5CA	AP	WP	7.5	8.3	9.21	1	12.9	31.01	100
SMAJ8.0A	SMAJ8.0CA	AR	WR	8.0	8.9	9.83	1	13.6	29.41	50
SMAJ8.5A	SMAJ8.5CA	AT	WT	8.5	9.4	10.4	1	14.4	27.78	10
SMAJ9.0A	SMAJ9.0CA	AV	WV	9.0	10.0	11.1	1	15.4	25.97	5
SMAJ10A	SMAJ10CA	AX	WX	10	11.1	12.3	1	17.0	23.53	5
SMAJ11A	SMAJ11CA	AZ	WZ	11	12.2	13.5	1	18.2	21.98	5
SMAJ12A	SMAJ12CA	BE	XE	12	13.3	14.7	1	19.9	20.10	5
SMAJ13A	SMAJ13CA	BG	XG	13	14.4	15.9	1	21.5	18.60	5
SMAJ14A	SMAJ14CA	BK	XK	14	15.6	17.2	1	23.2	17.24	5
SMAJ15A	SMAJ15CA	BM	XM	15	16.7	18.5	1	24.4	16.39	5
SMAJ16A	SMAJ16CA	BP	XP	16	17.8	19.7	1	26.0	15.38	5
SMAJ17A	SMAJ17CA	BR	XR	17	18.9	20.9	1	27.6	14.49	5
SMAJ18A	SMAJ18CA	BT	XT	18	20.0	22.1	1	29.2	13.70	5
SMAJ19A	SMAJ19CA	BB	XB	19	21.1	23.3	1	30.8	13.00	5
SMAJ20A	SMAJ20CA	BV	XV	20	22.2	24.5	1	32.4	12.35	5
SMAJ22A	SMAJ22CA	BX	XX	22	24.4	26.9	1	35.5	11.27	5
SMAJ24A	SMAJ24CA	BZ	XZ	24	26.7	29.5	1	38.9	10.28	5
SMAJ26A	SMAJ26CA	CE	YE	26	28.9	31.9	1	42.1	9.50	5
SMAJ28A	SMAJ28CA	CG	YG	28	31.1	34.4	1	45.4	8.81	5
SMAJ30A	SMAJ30CA	CK	YK	30	33.3	36.8	1	48.4	8.26	5
SMAJ33A	SMAJ33CA	CM	YM	33	36.7	40.6	1	53.3	7.50	5
SMAJ36A	SMAJ36CA	CP	YP	36	40.0	44.2	1	58.1	6.88	5
SMAJ40A	SMAJ40CA	CR	YR	40	44.4	49.1	1	64.5	6.20	5
SMAJ43A	SMAJ43CA	CT	YT	43	47.8	52.8	1	69.4	5.76	5
SMAJ45A	SMAJ45CA	CV	YV	45	50.0	55.3	1	72.7	5.50	5
SMAJ48A	SMAJ48CA	CX	YX	48	53.3	58.9	1	77.4	5.17	5
SMAJ51A	SMAJ51CA	CZ	YZ	51	56.7	62.7	1	82.4	4.85	5
SMAJ54A	SMAJ54CA	RE	ZE	54	60.0	66.3	1	87.1	4.59	5
SMAJ58A	SMAJ58CA	RG	ZG	58	64.4	71.2	1	93.6	4.27	5
SMAJ60A	SMAJ60CA	RK	ZK	60	66.7	73.7	1	96.8	4.13	5
SMAJ64A	SMAJ64CA	RM	ZM	64	71.1	78.6	1	103	3.88	5
SMAJ70A	SMAJ70CA	RP	ZP	70	77.8	86.0	1	113	3.54	5
SMAJ75A	SMAJ75CA	RR	ZR	75	83.3	92.1	1	121	3.31	5
SMAJ78A	SMAJ78CA	RT	ZT	78	86.7	95.8	1	126	3.17	5
SMAJ80A	SMAJ80CA	RB	ZB	80	88.8	97.6	1	130	3.09	5
SMAJ85A	SMAJ85CA	RV	ZV	85	94.4	104	1	137	2.92	5
SMAJ90A	SMAJ90CA	RX	ZX	90	100	111	1	146	2.74	5
SMAJ100A	SMAJ100CA	RZ	ZZ	100	111	123	1	162	2.47	5
SMAJ110A	SMAJ110CA	SE	VE	110	122	135	1	177	2.26	5
SMAJ120A	SMAJ120CA	SG	VG	120	133	147	1	193	2.07	5
SMAJ130A	SMAJ130CA	SK	VK	130	144	159	1	209	1.91	5
SMAJ140A	SMAJ140CA	SB	VB	140	155	171	1	227	1.76	5
SMAJ150A	SMAJ150CA	SM	VM	150	167	185	1	243	1.65	5
SMAJ160A	SMAJ160CA	SP	VP	160	178	197	1	259	1.54	5
SMAJ170A	SMAJ170CA	SR	VR	170	189	209	1	275	1.45	5
SMAJ180A	SMAJ180CA	ST	VT	180	200	220	1	292	1.37	5
SMAJ190A	SMAJ190CA	SV	VV	190	211	232	1	308	1.30	5
SMAJ200A	SMAJ200CA	SW	VW	200	224	247	1	324	1.23	5
SMAJ220A	SMAJ220CA	SX	VX	220	246	272	1	356	1.12	5
SMAJ250A	SMAJ250CA	SZ	VZ	250	279	309	1	405	0.99	5
SMAJ300A	SMAJ300CA	DE	HE	300	335	371	1	486	0.82	5
SMAJ350A	SMAJ350CA	DG	HG	350	391	432	1	567	0.71	5
SMAJ400A	SMAJ400CA	DK	HK	400	447	494	1	648	0.62	5
SMAJ440A	SMAJ440CA	DM	HM	440	492	543	1	713	0.56	5

NOTE : 1. Suffix " A " denotes 5% tolerance device.
2. Add suffix " CA " after part number to specify Bi-directional devices.
3. For Bi-Directional devices having V_r of 10 volts and under, the I_r limit is double .

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

P4KE SERIES TVS / 400 WATTS / DO-204AL (DO-41)

P4KE PART NUMBER		Working Peak Reverse Voltage V _{RWM} (V)	Breakdown Voltage V _{BR} @I _T			Maximum Clamping Voltage V _c (V) @ I _{PP}	Maximum Reverse Surge Current I _{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I _R (μA) @V _{RWM}
UNI-POLAR	BI-POLAR		Min. (V)	Max. (V)	I _T (mA)			
P4KE6.8A	P4KE6.8CA	5.8	6.46	7.14	10	10.5	38.1	1000
P4KE7.5A	P4KE7.5CA	6.4	7.13	7.88	10	11.3	35.4	500
P4KE8.2A	P4KE8.2CA	7.0	7.79	8.61	10	12.1	33.1	200
P4KE9.1A	P4KE9.1CA	7.8	8.65	9.56	1	13.4	29.9	50
P4KE10A	P4KE10CA	8.6	9.50	10.50	1	14.5	27.6	10
P4KE11A	P4KE11CA	9.4	10.45	11.55	1	15.6	25.6	5
P4KE12A	P4KE12CA	10.2	11.40	12.60	1	16.7	24.0	5
P4KE13A	P4KE13CA	11.1	12.35	13.65	1	18.2	22.0	1
P4KE15A	P4KE15CA	12.8	14.25	15.75	1	21.2	18.9	1
P4KE16A	P4KE16CA	13.6	15.20	16.80	1	22.5	17.8	1
P4KE18A	P4KE18CA	15.3	17.10	18.90	1	25.2	15.9	1
P4KE20A	P4KE20CA	17.1	19.00	21.00	1	27.7	14.4	1
P4KE22A	P4KE22CA	18.8	20.90	23.10	1	30.6	13.1	1
P4KE24A	P4KE24CA	20.5	22.80	25.20	1	33.2	12.0	1
P4KE27A	P4KE27CA	23.1	25.65	28.35	1	37.5	10.7	1
P4KE30A	P4KE30CA	25.6	28.50	31.50	1	41.4	9.66	1
P4KE33A	P4KE33CA	28.2	31.35	34.65	1	45.7	8.75	1
P4KE36A	P4KE36CA	30.8	34.20	37.80	1	49.9	8.02	1
P4KE39A	P4KE39CA	33.3	37.05	40.95	1	53.9	7.42	1
P4KE43A	P4KE43CA	36.8	40.85	45.15	1	59.3	6.75	1
P4KE47A	P4KE47CA	40.2	44.65	49.35	1	64.8	6.17	1
P4KE51A	P4KE51CA	43.6	48.45	53.55	1	70.1	5.71	1
P4KE56A	P4KE56CA	47.8	53.20	58.80	1	77.0	5.19	1
P4KE62A	P4KE62CA	53.0	58.90	65.10	1	85.0	4.71	1
P4KE68A	P4KE68CA	58.1	64.60	71.40	1	92.0	4.35	1
P4KE75A	P4KE75CA	64.1	71.25	78.75	1	103.0	3.88	1
P4KE82A	P4KE82CA	70.1	77.90	86.10	1	113.0	3.54	1
P4KE91A	P4KE91CA	77.8	86.45	95.55	1	125.0	3.20	1
P4KE100A	P4KE100CA	85.5	95.0	105.0	1	137.0	2.92	1
P4KE110A	P4KE110CA	94.0	104.5	115.5	1	152.0	2.63	1
P4KE120A	P4KE120CA	102.0	114.0	126.0	1	165.0	2.42	1
P4KE130A	P4KE130CA	111.0	123.5	136.5	1	179.0	2.23	1
P4KE150A	P4KE150CA	128.0	142.5	157.5	1	207.0	1.93	1
P4KE160A	P4KE160CA	136.0	152.0	168.0	1	219.0	1.83	1
P4KE170A	P4KE170CA	145.0	161.5	178.5	1	234.0	1.71	1
P4KE180A	P4KE180CA	154.0	171.0	189.0	1	246.0	1.63	1
P4KE200A	P4KE200CA	171.0	190.0	210.0	1	274.0	1.46	1
P4KE220A	P4KE220CA	185.0	209.0	231.0	1	328.0	1.22	1
P4KE250A	P4KE250CA	214.0	237.5	262.5	1	344.0	1.16	1
P4KE300A	P4KE300CA	256.0	285.0	315.0	1	414.0	0.97	1
P4KE350A	P4KE350CA	299.0	332.5	367.5	1	482.0	0.83	1
P4KE380A	P4KE380CA	325.0	361.0	399.0	1	524.0	0.76	1
P4KE400A	P4KE400CA	342.0	380.0	420.0	1	548.0	0.73	1
P4KE440A	P4KE440CA	376.0	418.0	462.0	1	602.0	0.66	1
P4KE500A	P4KE500CA	427.5	475.0	525.0	1	690.0	0.58	1
P4KE520A	P4KE520CA	444.6	494.0	546.0	1	717.6	0.56	1
P4KE550A	P4KE550CA	470.3	522.5	577.5	1	759.0	0.53	1
P4KE600A	P4KE600CA	513.0	570.0	630.0	1	828.0	0.48	1

NOTE : 1. Suffix " A " denotes 5% tolerance device.
2. Add suffix " CA " after part number to specify Bi-directional devices.
3. For Bi-Directional devices having V_R of 10 volts and under, the I_R limit is double .



CoolTc™ GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

SMA6C SERIES TVS / 600 WATTS / A2010 (Equivalent to SMA)

CoolTc™



PATENTED

PART NUMBER	Marking Code	Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @ I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @ $10 \times 1000 \mu s$ sine wave	Maximum Reverse Leakage I_R (μA) @ V_{RWM}
			Min. (V)	Max. (V)	I_T (mA)			
BI-POLAR								
SMA6C26CAH	A6C 26CA•	26	28.9	31.9	1	42.1	14.25	5
SMA6C28CAH	A6C 28CA•	28	31.1	34.4	1	45.4	13.22	5
SMA6C30CAH	A6C 30CA•	30	33.3	36.8	1	48.4	12.40	1
SMA6C33CAH	A6C 33CA•	33	36.7	40.6	1	53.3	11.26	1
SMA6C36CAH	A6C 36CA•	36	40.0	44.2	1	58.1	10.33	1
SMA6C40CAH	A6C 40CA•	40	44.4	49.1	1	64.5	9.30	1
SMA6C43CAH	A6C 43CA•	43	47.8	52.8	1	69.4	8.65	1
SMA6C45CAH	A6C 45CA•	45	50.0	55.3	1	72.7	8.25	1
SMA6C48CAH	A6C 48CA•	48	53.3	58.9	1	77.4	7.75	1
SMA6C51CAH	A6C 51CA•	51	56.7	62.7	1	82.4	7.28	1
SMA6C54CAH	A6C 54CA•	54	60.0	66.3	1	87.1	6.89	1
SMA6C58CAH	A6C 58CA•	58	64.4	71.2	1	93.6	6.41	1
SMA6C60CAH	A6C 60CA•	60	66.7	73.7	1	96.8	6.20	1
SMA6C64CAH	A6C 64CA•	64	71.1	78.6	1	103	5.83	1
SMA6C70CAH	A6C 70CA•	70	77.8	86.0	1	113	5.31	1
SMA6C75CAH	A6C 75CA•	75	83.3	92.1	1	121	4.96	1
SMA6C78CAH	A6C 78CA•	78	86.7	95.8	1	126	4.76	1
SMA6C85CAH	A6C 85CA•	85	94.4	104	1	137	4.38	1
SMA6C90CAH	A6C 90CA•	90	100	111	1	146	4.11	1
SMA6C100CAH	A6C 100CA•	100	111	123	1	162	3.70	1

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

SMBJ SERIES TVS / 600 WATTS / DO-214AA (SMB)



SMBJ PART NUMBER		Device Marking Code		Working Peak Reverse Voltage V _{RWM} (V)	Breakdown Voltage V _{BR} @I _T			Maximum Clamping Voltage V _C (V) @ I _{PP}	Maximum Reverse Surge Current I _{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I _R (μA) @V _{RWM}
UNI- POLAR	BI-POLAR	UNI	BI		Min. (V)	Max. (V)	I _T (mA)			
SMBJ5.0A	SMBJ5.0CA	KE	AE	5.0	6.40	7.00	10	9.2	65.22	800
SMBJ6.0A	SMBJ6.0CA	KG	AG	6.0	6.67	7.37	10	10.3	58.25	800
SMBJ6.5A	SMBJ6.5CA	KK	AK	6.5	7.22	7.98	10	11.2	53.57	500
SMBJ7.0A	SMBJ7.0CA	KM	AM	7.0	7.78	8.60	10	12.0	50.00	200
SMBJ7.5A	SMBJ7.5CA	KP	AP	7.5	8.33	9.21	1	12.9	46.51	100
SMBJ8.0A	SMBJ8.0CA	KR	AR	8.0	8.89	9.83	1	13.6	44.12	50
SMBJ8.5A	SMBJ8.5CA	KT	AT	8.5	9.44	10.4	1	14.4	41.67	10
SMBJ9.0A	SMBJ9.0CA	KV	AV	9.0	10.0	11.1	1	15.4	38.96	5
SMBJ10A	SMBJ10CA	KX	AX	10	11.1	12.3	1	17.0	35.29	5
SMBJ11A	SMBJ11CA	KZ	AZ	11	12.2	13.5	1	18.2	32.97	5
SMBJ12A	SMBJ12CA	LE	BE	12	13.3	14.7	1	19.9	30.15	5
SMBJ13A	SMBJ13CA	LG	BG	13	14.4	15.9	1	21.5	27.91	5
SMBJ14A	SMBJ14CA	LK	BK	14	15.6	17.2	1	23.2	25.86	5
SMBJ15A	SMBJ15CA	LM	BM	15	16.7	18.5	1	24.4	24.59	5
SMBJ16A	SMBJ16CA	LP	BP	16	17.8	19.7	1	26.0	23.08	5
SMBJ17A	SMBJ17CA	LR	BR	17	18.9	20.9	1	27.6	21.74	5
SMBJ18A	SMBJ18CA	LT	BT	18	20.0	22.1	1	29.2	20.55	5
SMBJ19A	SMBJ19CA	LB	BB	19	21.1	23.3	1	30.8	19.49	5
SMBJ20A	SMBJ20CA	LV	BV	20	22.2	24.5	1	32.4	18.52	5
SMBJ22A	SMBJ22CA	LX	BX	22	24.4	26.9	1	35.5	16.90	5
SMBJ24A	SMBJ24CA	LZ	BZ	24	26.7	29.5	1	38.9	15.42	5
SMBJ26A	SMBJ26CA	ME	CE	26	28.9	31.9	1	42.1	14.25	5
SMBJ28A	SMBJ28CA	MG	CG	28	31.1	34.4	1	45.4	13.22	5
SMBJ30A	SMBJ30CA	MK	CK	30	33.3	36.8	1	48.4	12.40	5
SMBJ33A	SMBJ33CA	MM	CM	33	36.7	40.6	1	53.3	11.26	5
SMBJ36A	SMBJ36CA	MP	CP	36	40.0	44.2	1	58.1	10.33	5
SMBJ40A	SMBJ40CA	MR	CR	40	44.4	49.1	1	64.5	9.30	5
SMBJ43A	SMBJ43CA	MT	CT	43	47.8	52.8	1	69.4	8.65	5
SMBJ45A	SMBJ45CA	MV	CV	45	50.0	55.3	1	72.7	8.25	5
SMBJ48A	SMBJ48CA	MX	CX	48	53.3	58.9	1	77.4	7.75	5
SMBJ51A	SMBJ51CA	MZ	CZ	51	56.7	62.7	1	82.4	7.28	5
SMBJ54A	SMBJ54CA	NE	DE	54	60.0	66.3	1	87.1	6.89	5
SMBJ58A	SMBJ58CA	NG	DG	58	64.4	71.2	1	93.6	6.41	5
SMBJ60A	SMBJ60CA	NK	DK	60	66.7	73.7	1	96.8	6.20	5
SMBJ64A	SMBJ64CA	NM	DM	64	71.1	78.6	1	103	5.83	5
SMBJ70A	SMBJ70CA	NP	DP	70	77.8	86.0	1	113	5.31	5
SMBJ75A	SMBJ75CA	NR	DR	75	83.3	92.1	1	121	4.96	5
SMBJ78A	SMBJ78CA	NT	DT	78	86.7	95.8	1	126	4.76	5
SMBJ80A	SMBJ80CA	NB	DB	80	88.8	97.6	1	130	4.63	5
SMBJ85A	SMBJ85CA	NV	DV	85	94.4	104	1	137	4.38	5
SMBJ90A	SMBJ90CA	NX	DX	90	100	111	1	146	4.11	5
SMBJ100A	SMBJ100CA	NZ	DZ	100	111	123	1	162	3.70	5
SMBJ110A	SMBJ110CA	PE	EE	110	122	135	1	177	3.39	5
SMBJ120A	SMBJ120CA	PG	EG	120	133	147	1	193	3.11	5
SMBJ130A	SMBJ130CA	PK	EK	130	144	159	1	209	2.87	5
SMBJ140A	SMBJ140CA	PB	EB	140	155	171	1	227	2.65	5
SMBJ150A	SMBJ150CA	PM	EM	150	167	185	1	243	2.47	5
SMBJ160A	SMBJ160CA	PP	EP	160	178	197	1	259	2.32	5
SMBJ170A	SMBJ170CA	PR	ER	170	189	209	1	275	2.18	5
SMBJ180A	SMBJ180CA	PT	ET	180	200	220	1	292	2.06	5
SMBJ190A	SMBJ190CA	PV	EV	190	211	232	1	308	1.95	5
SMBJ200A	SMBJ200CA	PW	EW	200	224	247	1	324	1.85	5
SMBJ220A	SMBJ220CA	PX	EX	220	246	272	1	356	1.69	5
SMBJ250A	SMBJ250CA	PZ	EZ	250	279	309	1	405	1.48	5
SMBJ300A	SMBJ300CA	QE	FE	300	335	371	1	486	1.23	5
SMBJ350A	SMBJ350CA	QG	FG	350	391	432	1	567	1.06	5
SMBJ400A	SMBJ400CA	QK	FK	400	447	494	1	648	0.93	5
SMBJ440A	SMBJ440CA	QM	FM	440	492	543	1	713	0.84	5

NOTE : 1. Suffix " A " denotes 5% tolerance device.
2. Add suffix " CA " after part number to specify Bi-directional devices.
3. For Bi-Directional devices having V_R of 10 volts and under, the I_R limit is double .

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

P6KE SERIES TVS / 600 WATTS / DO-204AC (DO-15)

P6KE PART NUMBER		Working Peak Reverse Voltage V _{RWM} (V)	Breakdown Voltage V _{BR} @I _T			Maximum Clamping Voltage V _c (V) @ I _{PP}	Maximum Reverse Surge Current I _{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I _R (μA) @V _{RWM}
UNI-POLAR	BI-POLAR		Min. (V)	Max. (V)	I _T (mA)			
P6KE6.8A	P6KE6.8CA	5.8	6.46	7.14	10	10.5	57.1	1000
P6KE7.5A	P6KE7.5CA	6.4	7.13	7.88	10	11.3	53.1	500
P6KE8.2A	P6KE8.2CA	7.0	7.79	8.61	10	12.1	49.6	200
P6KE9.1A	P6KE9.1CA	7.8	8.65	9.56	1	13.4	44.8	50
P6KE10A	P6KE10CA	8.6	9.50	10.50	1	14.5	41.4	10
P6KE11A	P6KE11CA	9.4	10.45	11.55	1	15.6	38.5	5
P6KE12A	P6KE12CA	10.2	11.40	12.60	1	16.7	35.9	5
P6KE13A	P6KE13CA	11.1	12.35	13.65	1	18.2	33.0	1
P6KE15A	P6KE15CA	12.8	14.25	15.75	1	21.2	28.3	1
P6KE16A	P6KE16CA	13.6	15.20	16.80	1	22.5	26.7	1
P6KE18A	P6KE18CA	15.3	17.10	18.90	1	25.2	23.8	1
P6KE20A	P6KE20CA	17.1	19.00	21.00	1	27.7	21.7	1
P6KE22A	P6KE22CA	18.8	20.90	23.10	1	30.6	19.6	1
P6KE24A	P6KE24CA	20.5	22.80	25.20	1	33.2	18.1	1
P6KE27A	P6KE27CA	23.1	25.65	28.35	1	37.5	16.0	1
P6KE30A	P6KE30CA	25.6	28.50	31.50	1	41.4	14.5	1
P6KE33A	P6KE33CA	28.2	31.35	34.65	1	45.7	13.1	1
P6KE36A	P6KE36CA	30.8	34.20	37.80	1	49.9	12.0	1
P6KE39A	P6KE39CA	33.3	37.05	40.95	1	53.9	11.1	1
P6KE43A	P6KE43CA	36.8	40.85	45.15	1	59.3	10.1	1
P6KE47A	P6KE47CA	40.2	44.65	49.35	1	64.8	9.26	1
P6KE51A	P6KE51CA	43.6	48.45	53.55	1	70.1	8.56	1
P6KE56A	P6KE56CA	47.8	53.20	58.80	1	77.0	7.79	1
P6KE62A	P6KE62CA	53.0	58.90	65.10	1	85.0	7.06	1
P6KE68A	P6KE68CA	58.1	64.60	71.40	1	92.0	6.52	1
P6KE75A	P6KE75CA	64.1	71.25	78.75	1	103.0	5.83	1
P6KE82A	P6KE82CA	70.1	77.90	86.10	1	113.0	5.31	1
P6KE91A	P6KE91CA	77.8	86.45	95.55	1	125.0	4.80	1
P6KE100A	P6KE100CA	85.5	95.0	105.0	1	137.0	4.38	1
P6KE110A	P6KE110CA	94.0	104.5	115.5	1	152.0	3.95	1
P6KE120A	P6KE120CA	102.0	114.0	126.0	1	165.0	3.64	1
P6KE130A	P6KE130CA	111.0	123.5	136.5	1	179.0	3.35	1
P6KE150A	P6KE150CA	128.0	142.5	157.5	1	207.0	2.90	1
P6KE160A	P6KE160CA	136.0	152.0	168.0	1	219.0	2.74	1
P6KE170A	P6KE170CA	145.0	161.5	178.5	1	234.0	2.56	1
P6KE180A	P6KE180CA	154.0	171.0	189.0	1	246.0	2.44	1
P6KE200A	P6KE200CA	171.0	190.0	210.0	1	274.0	2.19	1
P6KE220A	P6KE220CA	185.0	209.0	231.0	1	328.0	1.83	1
P6KE250A	P6KE250CA	214.0	237.5	262.5	1	344.0	1.74	1
P6KE300A	P6KE300CA	256.0	285.0	315.0	1	414.0	1.45	1
P6KE350A	P6KE350CA	299.0	332.5	367.5	1	482.0	1.24	1
P6KE380A	P6KE380CA	325.0	361.0	399.0	1	524.0	1.14	1
P6KE400A	P6KE400CA	342.0	380.0	420.0	1	548.0	1.09	1
P6KE440A	P6KE440CA	376.0	418.0	462.0	1	602.0	1.00	1
P6KE500A	P6KE500CA	427.5	475.0	525.0	1	690.0	0.87	1
P6KE520A	P6KE520CA	444.6	494.0	546.0	1	717.6	0.84	1
P6KE550A	P6KE550CA	470.3	522.5	577.5	1	759.0	0.79	1
P6KE600A	P6KE600CA	513.0	570.0	630.0	1	828.0	0.72	1

NOTE : 1. Suffix " A " denotes 5% tolerance device.
2. Add suffix " CA " after part number to specify Bi-directional devices.
3. For Bi-Directional devices having V_R of 10 volts and under, the I_R limit is double .



CoolTc™ GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

1.5SMPC SERIES TVS / 1500 WATTS / A3PS-C (Equivalent to TO-277)

CoolTc™



PART NUMBER	Marking Code	Working Peak Reverse Voltage V _{RWM} (V)	Breakdown Voltage V _{BR} @I _T			Maximum Clamping Voltage V _C (V) @ I _{PP}	Maximum Reverse Surge Current I _{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I _R (μA) @V _{RWM}
			Min. (V)	Max. (V)	I _T (mA)			
1.5SMPC11CAH	1.5C 11CA•	11	12.2	13.5	1	18.2	82.4	5
1.5SMPC12CAH	1.5C 12CA•	12	13.3	14.7	1	19.9	75.4	5
1.5SMPC13CAH	1.5C 13CA•	13	14.4	15.9	1	21.5	69.8	1
1.5SMPC14CAH	1.5C 14CA•	14	15.6	17.2	1	23.2	64.7	1
1.5SMPC15CAH	1.5C 15CA•	15	16.7	18.5	1	24.4	61.5	1
1.5SMPC16CAH	1.5C 16CA•	16	17.8	19.7	1	26.0	57.7	1
1.5SMPC17CAH	1.5C 17CA•	17	18.9	20.9	1	27.6	54.3	1
1.5SMPC18CAH	1.5C 18CA•	18	20.0	22.1	1	29.2	51.4	1
1.5SMPC20CAH	1.5C 20CA•	20	22.2	24.5	1	32.4	46.3	1
1.5SMPC22CAH	1.5C 22CA•	22	24.4	26.9	1	35.5	42.3	1
1.5SMPC24CAH	1.5C 24CA•	24	26.7	29.5	1	38.9	38.6	1
1.5SMPC26CAH	1.5C 26CA•	26	28.9	31.9	1	42.1	35.6	1
1.5SMPC28CAH	1.5C 28CA•	28	31.1	34.4	1	45.4	33.0	1
1.5SMPC30CAH	1.5C 30CA•	30	33.3	36.8	1	48.4	31.0	1
1.5SMPC33CAH	1.5C 33CA•	33	36.7	40.6	1	53.3	28.1	1
1.5SMPC36CAH	1.5C 36CA•	36	40.0	44.2	1	58.1	25.8	1
1.5SMPC40CAH	1.5C 40CA•	40	44.4	49.1	1	64.5	23.3	1
1.5SMPC43CAH	1.5C 43CA•	43	47.8	52.8	1	69.4	21.6	1
1.5SMPC45CAH	1.5C 45CA•	45	50.0	55.3	1	72.7	20.6	1
1.5SMPC48CAH	1.5C 48CA•	48	53.3	58.9	1	77.4	19.4	1
1.5SMPC51CAH	1.5C 51CA•	51	56.7	62.7	1	82.4	18.2	1
1.5SMPC54CAH	1.5C 54CA•	54	60.0	66.3	1	87.1	17.2	1
1.5SMPC58CAH	1.5C 58CA•	58	64.4	71.2	1	93.6	16.0	1
1.5SMPC60CAH	1.5C 60CA•	60	66.7	73.7	1	96.8	15.5	1
1.5SMPC64CAH	1.5C 64CA•	64	71.1	78.6	1	103	14.6	1
1.5SMPC70CAH	1.5C 70CA•	70	77.8	86.0	1	113	13.3	1
1.5SMPC75CAH	1.5C 75CA•	75	83.3	92.1	1	121	12.4	1
1.5SMPC78CAH	1.5C 78CA•	78	86.7	95.8	1	126	11.9	1
1.5SMPC85CAH	1.5C 85CA•	85	94.4	104	1	137	10.9	1
1.5SMPC90CAH	1.5C 90CA•	90	100	111	1	146	10.3	1
1.5SMPC100CAH	1.5C 100CA•	100	111	123	1	162	9.3	1
1.5SMPC110CAH	1.5C 110CA•	110	122	135	1	177	8.5	1
1.5SMPC120CAH	1.5C 120CA•	120	133	147	1	193	7.8	1
1.5SMPC130CAH	1.5C 130CA•	130	144	159	1	209	7.2	1
1.5SMPC140CAH	1.5C 140CA•	140	155	171	1	227	6.6	1
1.5SMPC150CAH	1.5C 150CA•	150	167	185	1	243	6.2	1

PROTECTION

| TRANSIENT VOLTAGE SUPPRESSORS (TVS) |

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

SMCJ SERIES TVS / 1500 WATTS / DO-214AB (SMC)



SMCJ PART NUMBER		Device Marking Code		Working Peak Reverse Voltage V _{RWM} (V)	Breakdown Voltage V _{BR} @I _T			Maximum Clamping Voltage V _C (V) @ I _{PP}	Maximum Reverse Surge Current I _{PP} (A) @ 10 x 1000 μs sinewave	Maximum Reverse Leakage I _R (μA) @V _{RWM}
UNI- POLAR	BI-POLAR	UNI	BI		Min. (V)	Max. (V)	I _T (mA)			
SMCJ5.0A	SMCJ5.0CA	GDE	BDE	5.0	6.40	7.00	10	9.2	163.0	800
SMCJ6.0A	SMCJ6.0CA	GDG	BDG	6.0	6.67	7.37	10	10.3	145.6	800
SMCJ6.5A	SMCJ6.5CA	GDK	BDK	6.5	7.22	7.98	10	11.2	133.9	500
SMCJ7.0A	SMCJ7.0CA	GDM	BDM	7.0	7.78	8.60	10	12.0	125.0	200
SMCJ7.5A	SMCJ7.5CA	GDP	BDP	7.5	8.33	9.21	1	12.9	116.3	100
SMCJ8.0A	SMCJ8.0CA	GDR	BDR	8.0	8.89	9.83	1	13.6	110.3	50
SMCJ8.5A	SMCJ8.5CA	GDT	BDT	8.5	9.44	10.40	1	14.4	104.2	20
SMCJ9.0A	SMCJ9.0CA	GDV	BDV	9.0	10.00	11.10	1	15.4	97.4	10
SMCJ10A	SMCJ10CA	GDX	BDX	10	11.10	12.30	1	17.0	88.2	5
SMCJ11A	SMCJ11CA	GDZ	BDZ	11	12.20	13.50	1	18.2	82.4	1
SMCJ12A	SMCJ12CA	GEE	BEE	12	13.30	14.70	1	19.9	75.4	1
SMCJ13A	SMCJ13CA	GEG	BEG	13	14.40	15.90	1	21.5	69.8	1
SMCJ14A	SMCJ14CA	GEK	BEK	14	15.60	17.20	1	23.2	64.7	1
SMCJ15A	SMCJ15CA	GEM	BEM	15	16.70	18.50	1	24.4	61.5	1
SMCJ16A	SMCJ16CA	GEP	BEP	16	17.80	19.70	1	26.0	57.7	1
SMCJ17A	SMCJ17CA	GER	BER	17	18.90	20.90	1	27.6	54.3	1
SMCJ18A	SMCJ18CA	GET	BET	18	20.00	22.10	1	29.2	51.4	1
SMCJ19A	SMCJ19CA	GEB	BEB	19	21.10	23.30	1	30.8	48.7	1
SMCJ20A	SMCJ20CA	GEV	BEV	20	22.20	24.50	1	32.4	46.3	1
SMCJ22A	SMCJ22CA	GEX	BEX	22	24.40	26.90	1	35.5	42.3	1
SMCJ24A	SMCJ24CA	GEZ	BEZ	24	26.70	29.50	1	38.9	38.6	1
SMCJ26A	SMCJ26CA	GFE	BFE	26	28.90	31.90	1	42.1	35.6	1
SMCJ28A	SMCJ28CA	GFG	BFG	28	31.10	34.40	1	45.4	33.0	1
SMCJ30A	SMCJ30CA	GFK	BFK	30	33.30	36.80	1	48.4	31.0	1
SMCJ33A	SMCJ33CA	GFM	BFM	33	36.70	40.60	1	53.3	28.1	1
SMCJ36A	SMCJ36CA	GFP	BFP	36	40.00	44.20	1	58.1	25.8	1
SMCJ40A	SMCJ40CA	GFR	BFR	40	44.40	49.10	1	64.5	23.3	1
SMCJ43A	SMCJ43CA	GFT	BFT	43	47.80	52.80	1	69.4	21.6	1
SMCJ45A	SMCJ45CA	GFV	BFV	45	50.00	55.30	1	72.7	20.6	1
SMCJ48A	SMCJ48CA	GFX	BFX	48	53.30	58.90	1	77.4	19.4	1
SMCJ51A	SMCJ51CA	GFZ	BFZ	51	56.70	62.70	1	82.4	18.2	1
SMCJ54A	SMCJ54CA	GGE	BGE	54	60.00	66.30	1	87.1	17.2	1
SMCJ58A	SMCJ58CA	GGG	BGG	58	64.40	71.20	1	93.6	16.0	1
SMCJ60A	SMCJ60CA	GGK	BGK	60	66.70	73.70	1	96.8	15.5	1
SMCJ64A	SMCJ64CA	GGM	BGM	64	71.10	78.60	1	103	14.6	1
SMCJ70A	SMCJ70CA	GGP	BGP	70	77.80	86.00	1	113	13.3	1
SMCJ75A	SMCJ75CA	GGR	BGR	75	83.30	92.10	1	121	12.4	1
SMCJ78A	SMCJ78CA	GGT	BGT	78	86.70	95.80	1	126	11.9	1
SMCJ80A	SMCJ80CA	GGB	BGB	80	88.80	97.60	1	130	11.6	1
SMCJ85A	SMCJ85CA	GGV	BGV	85	94.40	104	1	137	10.9	1
SMCJ90A	SMCJ90CA	GGX	BGX	90	100	111	1	146	10.3	1
SMCJ100A	SMCJ100CA	GGZ	BGZ	100	111	123	1	162	9.3	1
SMCJ110A	SMCJ110CA	GHE	BHE	110	122	135	1	177	8.5	1
SMCJ120A	SMCJ120CA	GHG	BHG	120	133	147	1	193	7.8	1
SMCJ130A	SMCJ130CA	GHK	BHK	130	144	159	1	209	7.2	1
SMCJ140A	SMCJ140CA	GHB	BHB	140	155	171	1	227	6.6	1
SMCJ150A	SMCJ150CA	GHM	BHM	150	167	185	1	243	6.2	1
SMCJ160A	SMCJ160CA	GHP	BHP	160	178	197	1	259	5.8	1
SMCJ170A	SMCJ170CA	GHR	BHR	170	189	209	1	275	5.5	1
SMCJ180A	SMCJ180CA	GHT	BHT	180	200	220	1	291	5.1	1
SMCJ190A	SMCJ190CA	GHV	BHV	190	211	232	1	308	4.9	1
SMCJ200A	SMCJ200CA	GHW	BHW	200	224	247	1	324	4.6	1
SMCJ220A	SMCJ220CA	GHX	BHX	220	246	272	1	356	4.2	1
SMCJ250A	SMCJ250CA	GHZ	BHZ	250	279	309	1	405	3.7	1
SMCJ300A	SMCJ300CA	GJE	BJE	300	335	371	1	486	3.1	1
SMCJ350A	SMCJ350CA	GJK	BJK	350	391	432	1	567	2.6	1
SMCJ400A	SMCJ400CA	GJK	BJK	400	447	494	1	648	2.3	1
SMCJ440A	SMCJ440CA	GJM	BJM	440	492	543	1	713	2.1	1

- NOTE : 1. Suffix " A " denotes 5% tolerance device.
2. Add suffix " CA " after part number to specify Bi-directional devices.
3. For Bi-Directional devices having V_R of 10 volts and under, the I_R limit is double .



CoolTc™ GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

2.0SMPC SERIES TVS / 2000 WATTS / A3PS-C (Equivalent to TO-277)

CoolTc™



PATENTED

PART NUMBER	Marking Code	Working Peak Reverse Voltage V _{RWM} (V)	Breakdown Voltage V _{BR} @I _T			Maximum Clamping Voltage V _C (V) @ I _{PP}	Maximum Reverse Surge Current I _{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I _R (μA) @V _{RWM}
			Min. (V)	Max. (V)	I _T (mA)			
2.0SMPC11CAH	2.0C 11CA•	11	12.2	13.5	1	18.2	109.89	5
2.0SMPC12CAH	2.0C 12CA•	12	13.3	14.7	1	19.9	100.50	5
2.0SMPC13CAH	2.0C 13CA•	13	14.4	15.9	1	21.5	93.02	1
2.0SMPC14CAH	2.0C 14CA•	14	15.6	17.2	1	23.2	86.21	1
2.0SMPC15CAH	2.0C 15CA•	15	16.7	18.5	1	24.4	81.97	1
2.0SMPC16CAH	2.0C 16CA•	16	17.8	19.7	1	26.0	76.92	1
2.0SMPC17CAH	2.0C 17CA•	17	18.9	20.9	1	27.6	72.46	1
2.0SMPC18CAH	2.0C 18CA•	18	20.0	22.1	1	29.2	68.49	1
2.0SMPC20CAH	2.0C 20CA•	20	22.2	24.5	1	32.4	61.73	1
2.0SMPC22CAH	2.0C 22CA•	22	24.4	26.9	1	35.5	56.34	1
2.0SMPC24CAH	2.0C 24CA•	24	26.7	29.5	1	38.9	51.41	1
2.0SMPC26CAH	2.0C 26CA•	26	28.9	31.9	1	42.1	47.51	1
2.0SMPC28CAH	2.0C 28CA•	28	31.1	34.4	1	45.4	44.05	1
2.0SMPC30CAH	2.0C 30CA•	30	33.3	36.8	1	48.4	41.32	1
2.0SMPC33CAH	2.0C 33CA•	33	36.7	40.6	1	53.3	37.52	1
2.0SMPC36CAH	2.0C 36CA•	36	40.0	44.2	1	58.1	34.42	1
2.0SMPC40CAH	2.0C 40CA•	40	44.4	49.1	1	64.5	31.01	1
2.0SMPC43CAH	2.0C 43CA•	43	47.8	52.8	1	69.4	28.82	1
2.0SMPC45CAH	2.0C 45CA•	45	50.0	55.3	1	72.7	27.51	1
2.0SMPC48CAH	2.0C 48CA•	48	53.3	58.9	1	77.4	25.84	1
2.0SMPC51CAH	2.0C 51CA•	51	56.7	62.7	1	82.4	24.27	1
2.0SMPC54CAH	2.0C 54CA•	54	60.0	66.3	1	87.1	22.96	1
2.0SMPC58CAH	2.0C 58CA•	58	64.4	71.2	1	93.6	21.37	1
2.0SMPC60CAH	2.0C 60CA•	60	66.7	73.7	1	96.8	20.66	1
2.0SMPC64CAH	2.0C 64CA•	64	71.1	78.6	1	103	19.42	1
2.0SMPC70CAH	2.0C 70CA•	70	77.8	86.0	1	113	17.70	1
2.0SMPC75CAH	2.0C 75CA•	75	83.3	92.1	1	121	16.53	1
2.0SMPC78CAH	2.0C 78CA•	78	86.7	95.8	1	126	15.87	1
2.0SMPC85CAH	2.0C 85CA•	85	94.4	104	1	137	14.60	1
2.0SMPC90CAH	2.0C 90CA•	90	100	111	1	146	13.70	1
2.0SMPC100CAH	2.0C 100CA•	100	111	123	1	162	12.35	1
2.0SMPC110CAH	2.0C 110CA•	110	122	135	1	177	11.30	1
2.0SMPC120CAH	2.0C 120CA•	120	133	147	1	193	10.36	1
2.0SMPC130CAH	2.0C 130CA•	130	144	159	1	209	9.57	1
2.0SMPC140CAH	2.0C 140CA•	140	155	171	1	227	8.81	1

PROTECTION

I TRANSIENT VOLTAGE SUPPRESSORS (TVS) I

PACKING OF DIODES AND BRIDGE RECTIFIERS

BULK PACKING

OUTLINE			BOX (PCS)	CARTON (PCS)	CARTON SIZE (m/m)
DO-204AL (DO-41)			1,000	50,000	475 * 220 * 275
DO-204AC (DO-15)			500	50,000	
DO-201AD / DO-201AE (DO-27)			500	12,000	335 * 320 * 275
P-600			200	4,800	
GBPS-LF			600	6,000	315 * 250 * 187
GBU-L	Bulk Tube	20Pcs / Tube Pack	720	2,880	573 * 331 * 210
Schottky Products TO-220AB / ITO-220AB TO-220AC / ITO-220AC		50Pcs / Tube Pack	1,000	5,000	585 * 285 * 170
			4,000	8,000	585 * 316 * 164
Rectifier Products TO-220AB / ITO-220AB TO-220AC / ITO-220AC		50Pcs / Tube Pack	2,000	8,000	565 * 315 * 200

REEL PACKING

REEL PACKING

OUTLINE	REEL (PCS)	CARTON (PCS)	CARTON SIZE (m/m)
DO-214AC (SMA) 13"	7,500	75,000	360 * 360 * 240 365 * 365 * 290
DO-214AC (SMA) Schottky Products 13"	5,000	50,000	
DO-214AA (SMB) 13"	3,000	30,000	
DO-214AB (SMC) 13"	3,000	15,000	
Z4PAK MBCR / MBCN / MBC 13"	5,000	50,000	
Z5PAK-T Z4PAK-D / 3220 13"	3,000	15,000	
Z1PAK 0603 0805 7"	3,000	90,000	400 * 207 * 240 410 * 212 * 320
Z2PAK / Z2APAK A1206 / 1206 / 1206-S A2010 / 2010 7"	3,000	72,000	
A3PS / A3PS-G / A3PS-C Z3PAK / 2114 8034 13"	5,000	50,000	360 * 360 * 240 365 * 365 * 290
DO-204AL (DO-41)	5,000	20,000	340 * 340 * 360
DO-204AC (DO-15)	4,000	16,000	
DO-201AD	1,250	5,000	
P-600	750	3,000	
R-6	750	3,000	
SOD-123FL 7"	3,000	120,000	550 * 210 * 220
SOD-723 (Schottky Products) 7"	4,000	80,000 160,000	400 * 207 * 240 360 * 360 * 240

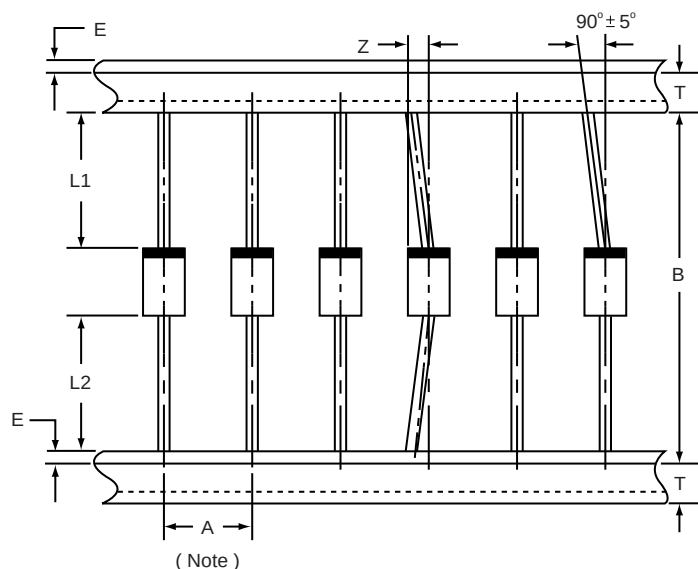
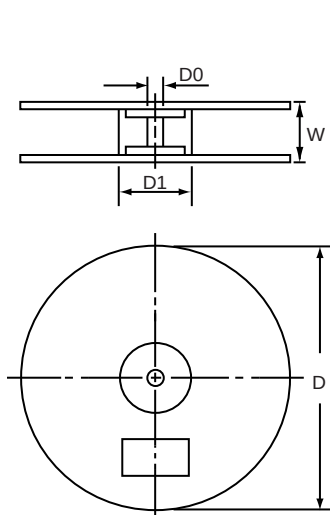
AMMO BOX PACKING (52mm Taping)

OUTLINE	BOX (PCS)	BOX SIZE (m/m)	CARTON (PCS)	CARTON SIZE (m/m)
DO-204AL (DO-41)	5,000	260 * 80 * 160	50,000	460 * 280 * 355
DO-204AC (DO-15)	3,000	260 * 80 * 160	30,000	
DO-201AD (DO-27)	1,200	260 * 80 * 160	12,000	

AXIAL LEAD TAPING SPECIFICATIONS

Axial lead devices are packed in accordance with EIA standard RS-296-E and specifications given below.

COMPONENT OUTLINE	COMPONENT PITCH A	INNER TAPE PITCH B	CUMULATIVE PITCH TOLERANCE
DO-204AL (DO-41)	5.0mm $\pm$ 0.5mm	52.4mm $\pm$ 1.5mm	2.0mm / 10 pitch
DO-204AC (DO-15)	5.0mm $\pm$ 0.5mm	52.4mm $\pm$ 1.5mm	2.0mm / 10 pitch
DO-201AD (DO-27)	10mm $\pm$ 0.5mm	52.4mm $\pm$ 1.5mm	2.0mm / 10 pitch
P-600 / R-6	10.0mm $\pm$ 0.5mm	52.4mm $\pm$ 1.5mm	2.0mm / 10 pitch

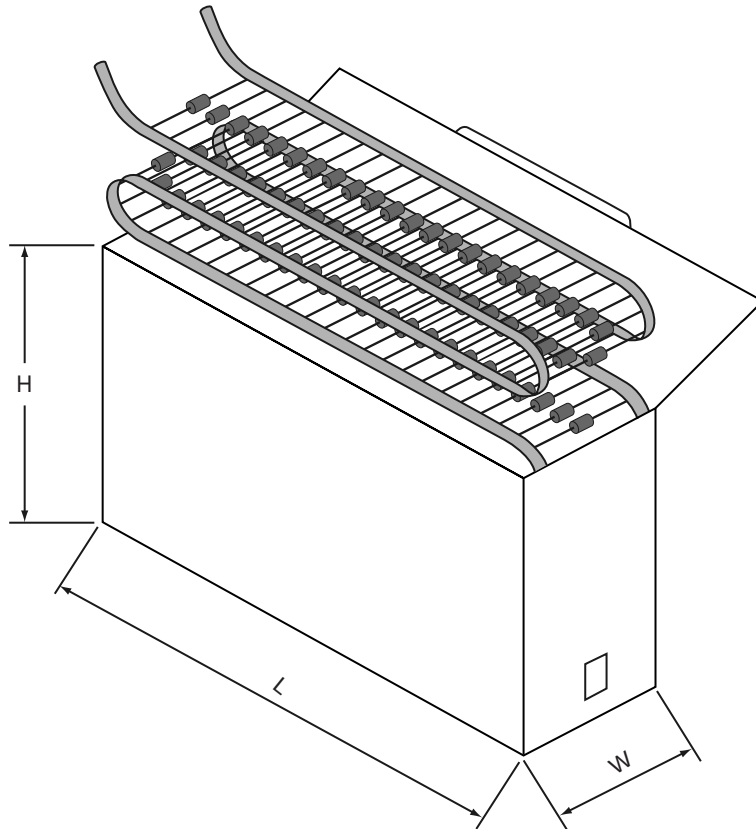


(Note)

ITEM	SYMBOL	SPECIFICATION (m/m)	SPECIFICATION (inch)
Component alignment	Z	1.2 max.	0.048 max.
Tape width	T	6.0 $\pm$ 0.4	0.236 $\pm$ 0.016
Exposed adhesive	E	0.8 max.	0.032 max.
Body eccentricity	L1-L2	1.0 max.	0.040 max.
Reel outside diameter	D	330.0 $\pm$ 2.0	13.0 $\pm$ 0.08
Reel inner diameter	D1	85.7 $\pm$ 0.3	3.375 $\pm$ 0.012
Feed hole diameter	D0	16.6 $\pm$ 0.4	0.655 $\pm$ 0.016
Reel width	W	79.0 $\pm$ 1.0	3.110 $\pm$ 0.040

NOTE : Each component lead shall be sandwiched between tapes for a minimum of 3.2mm (0.126")

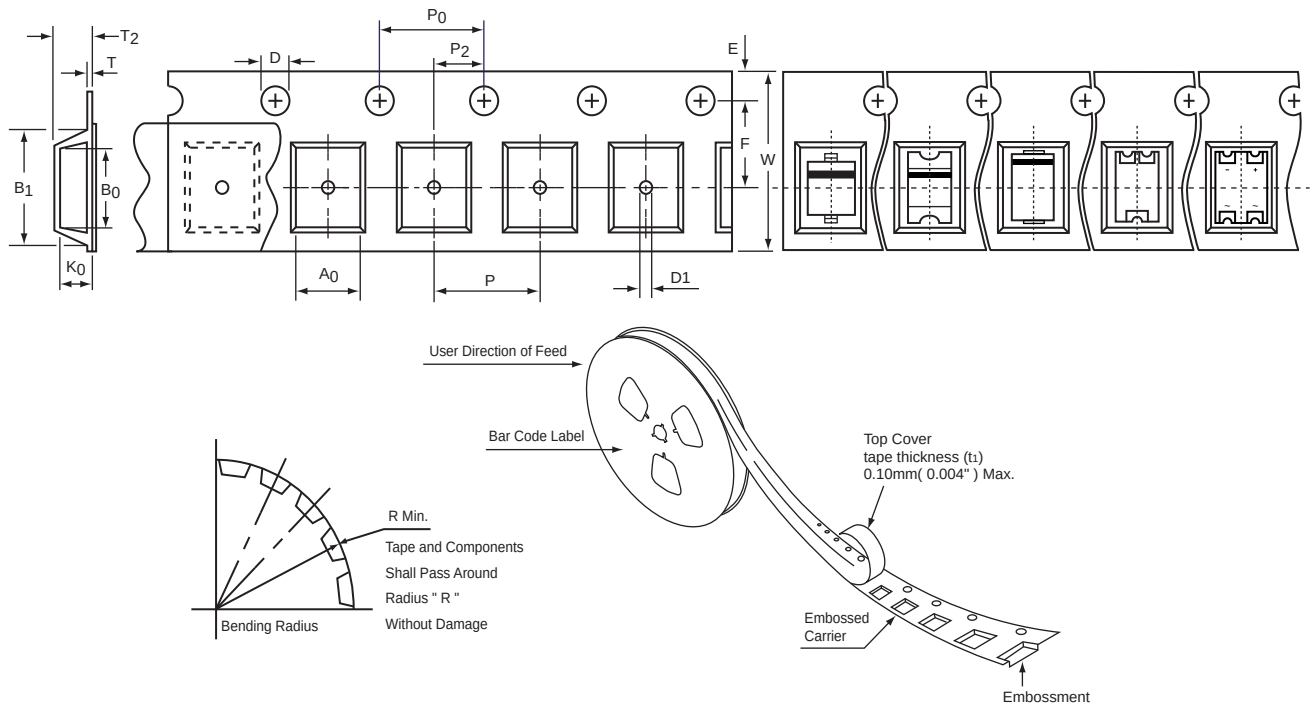
AMMO PACK DIMENSIONS



Unit : Millimeters (Inches)

Outline	Dimension			Quantity
	Length (L)	Width (W)	Height (H)	
DO-204AL (DO-41)	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	5,000
DO-204AC (DO-15)	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	3,000
DO-201AD (DO-27)	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	1,200

SURFACE MOUNT PACKAGING



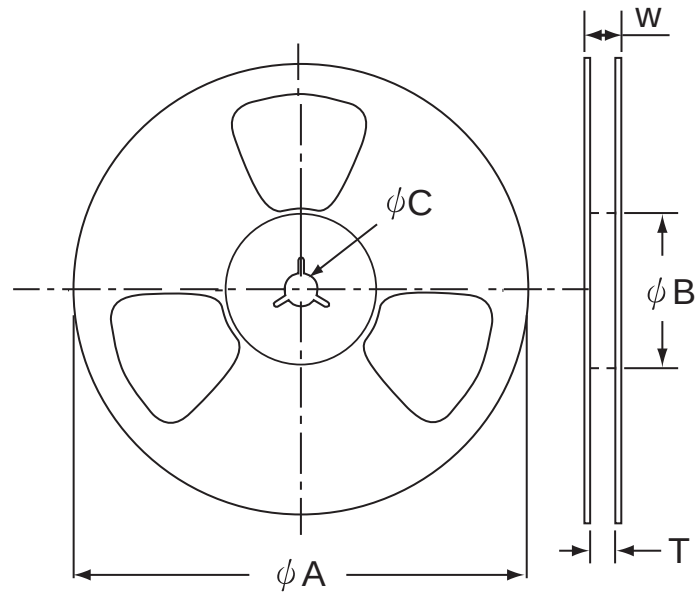
EMBOSSED TAPE

Dimensions in millimeters and (inches)

Tape Size	D	E	P ₀	A ₀	B ₀	K ₀	T max	P ₂	Constant Dimensions
8 , 12 mm	1.50 ± 0.1 (0.059 ±0.004)	1.75 ± 0.1 (0.069 ± 0.004)	4.0 ± 0.1 (0.157 ± 0.004)	See Note 1			0.40 (0.016)	2.0 ± 0.1 (0.079 ± 0.002)	
16 mm	1.55 ± 0.05 (0.061 ±0.002)	1.75 ± 0.1 (0.069 ± 0.004)	4.0 ± 0.1 (0.157 ± 0.004)						
PRODUCT TYPE	TAPE SIZE	B ₁	D ₁	F	P	W	T ₂	R Min	
SOD-123FL	8 mm	2.31 max. (0.091 max.)	1.00 min. (0.039 min.)	4.00 ± 0.10 (0.157 ± 0.004)	4.00 ± 0.10 (0.157 ± 0.004)	8.30 max. (0.327 max.)	2.40 max. (0.094 max.)	25 (0.98)	
0603		2.0 max. (0.079 max.)	0.80 ± 0.05 (0.031 ± 0.002)	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.00 ± 0.30 (0.315 ± 0.012)	1.00 ± 0.10 (0.039 ± 0.004)	25 (0.98)	
Z1PAK 0805			0.80 ± 0.05 (0.031 ± 0.002)	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.00 ± 0.30 (0.315 ± 0.012)	1.22 ± 0.10 (0.048 ± 0.004)	25 (0.98)	
Z2PAK / 1206 A1206	12 mm	8.2 max. (0.323 max.)	1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	1.75 ± 0.1 (0.069 ± 0.004)	30 (1.181)	
1206-S							1.40 ± 0.1 (0.055 ± 0.004)		
Z2APAK 2010 / A2010	12 mm	8.2 max. (0.323 max.)	1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	1.51 ± 0.10 (0.059 ± 0.004)	30 (1.181)	
A3PS / A3PS-G / A3PS-C Z3PAK / Z4PAK MBC / MBCR MBCN / 2114			1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	8.00 ± 0.10 (0.315 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	1.65 ± 0.10 (0.065 ± 0.004)	30 (1.181)	
SMA (DO-214AC)			1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	2.54 ± 0.10 (0.100 ± 0.004)	30 (1.181)	
SMB (DO-214AA)			1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	8.00 ± 0.10 (0.315 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	2.67 ± 0.10 (0.105 ± 0.004)	30 (1.181)	
Z5PAK-T 3220 / 8034 SMC (DO-214AB)	16 mm	12.1 max. (0.476 max.)	1.50 min. (0.059 min.)	7.50 ± 0.10 (0.295 ± 0.004)	8.00 ± 0.10 (0.315 ± 0.004)	16.00 ± 0.30 (0.630 ± 0.012)	2.50 max. (0.098 max.)	40 (1.575)	
Z4PAK-D	16 mm	12.1 max. (0.476 max.)	1.50 min. (0.059 min.)	5.5 ± 0.10 (0.217 ± 0.004)	12.00 ± 0.10 (0.472 ± 0.004)	16.00 ± 0.30 (0.630 ± 0.012)	2.50 max. (0.098 max.)	40 (1.575)	

NOTE : 1. A₀, B₀, and K₀ are determined by component size. The clearance between the components and the cavity must be within 0.05 mm (0.002") min. to 0.50 mm (0.02") max. for 8 mm tape. 0.05 mm (0.002") min. to 0.65 mm (0.026") max. for 12 mm tape. 0.15 mm (0.006") min. to 0.90 mm (0.035") max. for 16 mm tape.
2. All surface mount components are packed in accordance with EIA standard 481-1 and 481-2

PLASTIC DISK AND SURFACE MOUNT PACKAGE



EMBOSSED TAPE

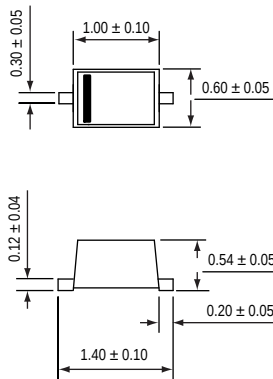
Unit : Millimeters (Inches)

SYMBOL	Tape size	ψA	ψB	ψC	W	T
DO-214AB (SMC) Z4PAK-D Z5PAK-T 3220 / 8034	16 (0.630)	330 ± 2.0 (12.992 $\pm$ 0.079)	50 min. (1.969 min.)	13.0 ± 0.5 (0.512 $\pm$ 0.020)	22.7 max. (0.893 max.)	18.4 max. (0.724 max.)
Z2PAK / Z2APAK 1206 / A1206 1206-S 2010 / A2010	12 (0.472)	178 ± 2.0 (7.008 $\pm$ 0.079)	50 min. (1.969 min.)	13.0 ± 0.5 (0.512 $\pm$ 0.020)	18.7 max. (0.736 max.)	14.4 max. (0.567 max.)
DO-214AC (SMA) DO-214AA (SMB) 2114 / Z3PAK / A3PS A3PS-G / A3PS-C / Z4PAK MBC / MBCR / MBCN		330 ± 2.0 (12.992 $\pm$ 0.079)				
Z1PAK 0603 / 0805	8 (0.315)	178 ± 2.0 (7.008 $\pm$ 0.079)	60 ± 0.5 (2.362 $\pm$ 0.020)	13.5 ± 0.5 (0.532 $\pm$ 0.020)	12.0 ± 0.5 (0.472 $\pm$ 0.020)	9.0 ± 0.5 (0.354 $\pm$ 0.020)
SOD-723	8 (0.315)	178 ± 2.0 (7.008 $\pm$ 0.079)	50 min. (1.969 min.)	13.5 ± 0.5 (0.532 $\pm$ 0.020)	14.4 max. (0.567 max.)	$8.40^{+1.50}_{-0}$ (0.331 $^{+0.059}_{-0}$)
SOD-123FL			60 ± 1.5 (2.362 $\pm$ 0.059)	13.5 ± 0.5 (0.532 $\pm$ 0.020)	10.7^{+2}_{-1} (0.421 $^{+0.079}_{-0.039}$)	8.04^{+2}_{-1} (0.317 $^{+0.079}_{-0.039}$)

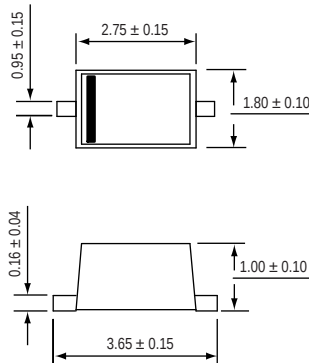
CASE DRAWINGS

Unit : mm

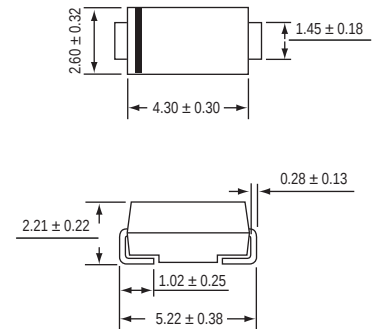
SOD-723



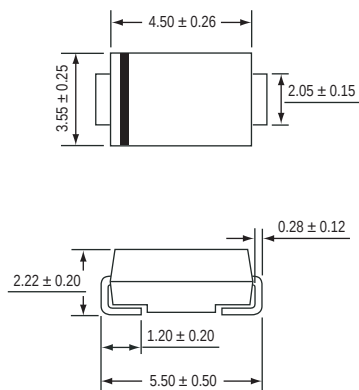
SOD-123 FL



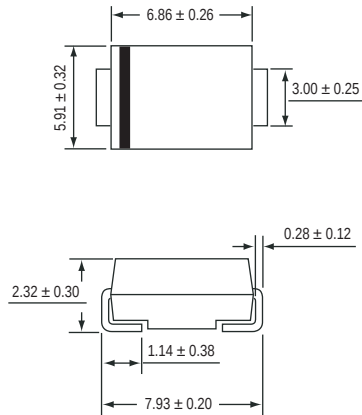
DO-214AC (SMA)



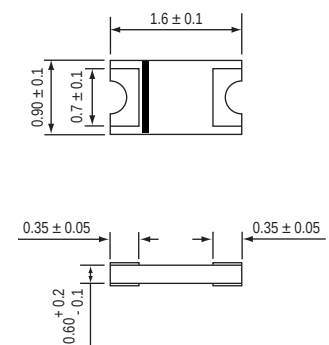
DO-214AA (SMB)



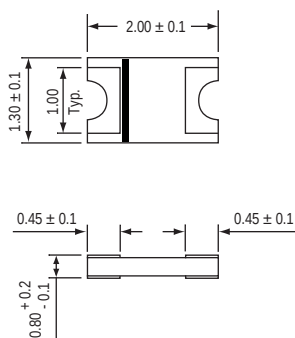
DO-214AB (SMC)



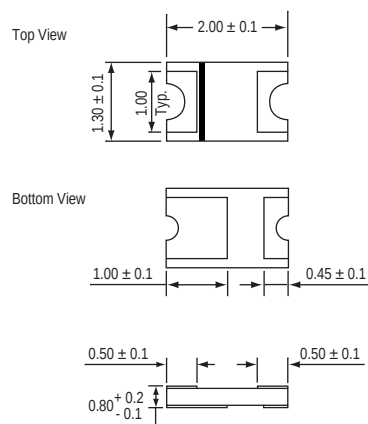
0603



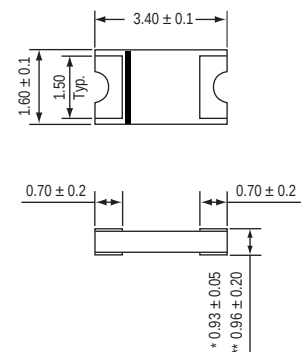
0805



Z1PAK



1206-S

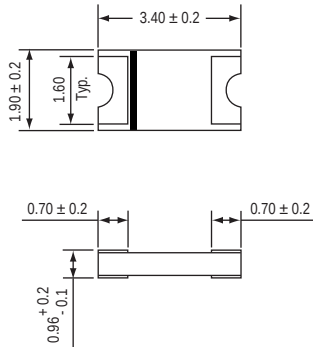


Note :
 *** for Schottky product
 *** for GPRC product

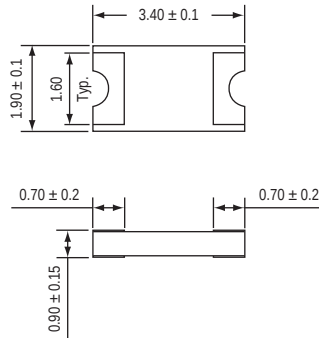
CASE DRAWINGS

Unit : mm

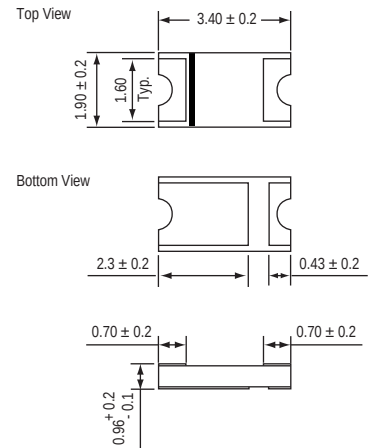
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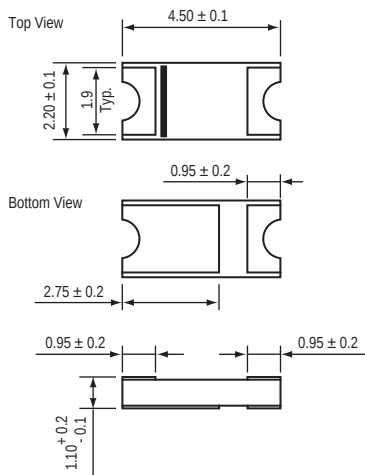
A1206



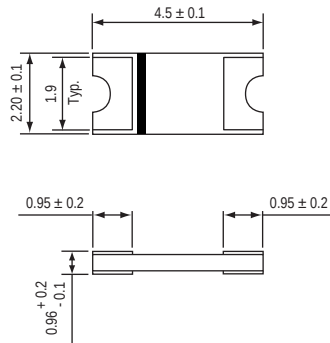
Z2PAK



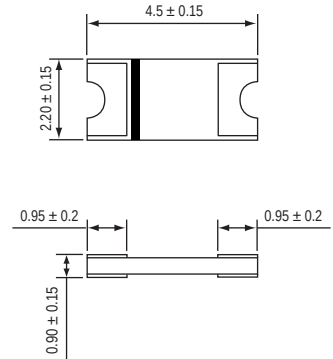
Z2APAK



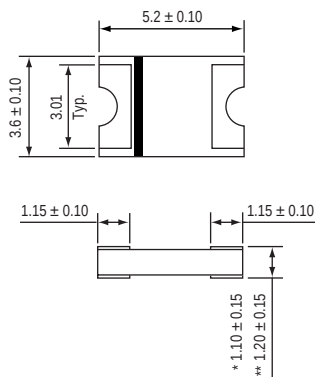
2010



A2010

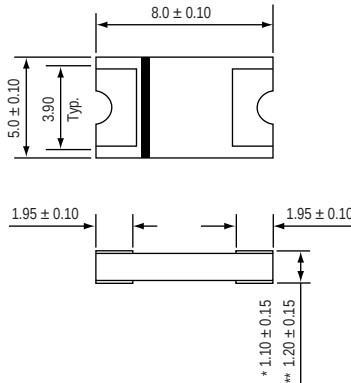


2114



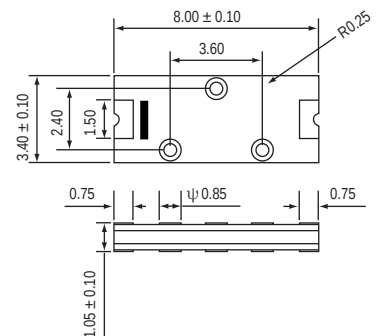
Note :
 " * " for Schottky product
 " ** " for GPRC product

3220



Note :
 " * " for Schottky product
 " ** " for GPRC product

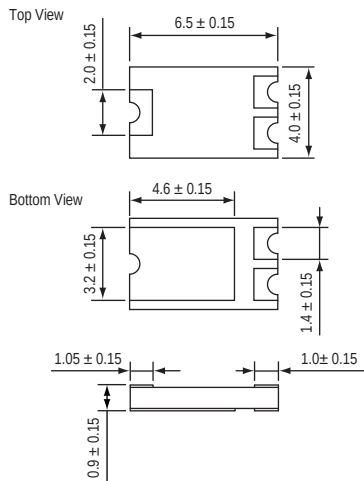
8034



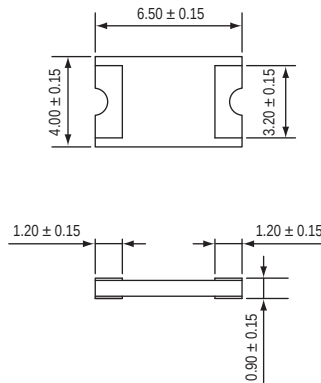
CASE DRAWINGS

Unit : mm

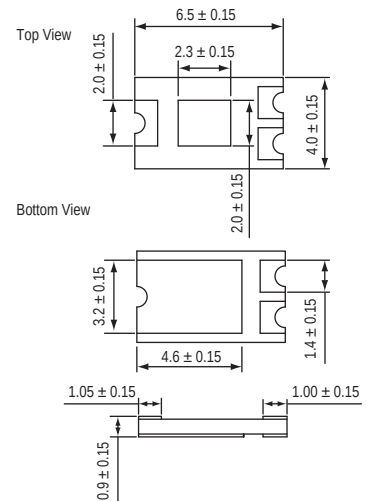
A3PS



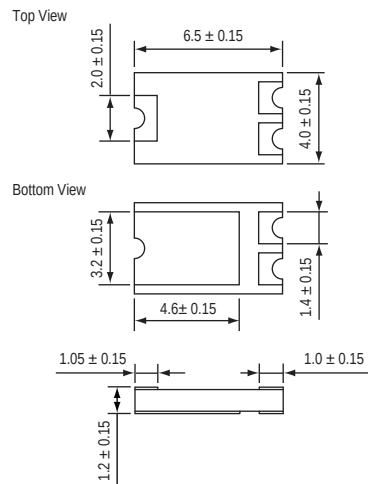
A3PS-C



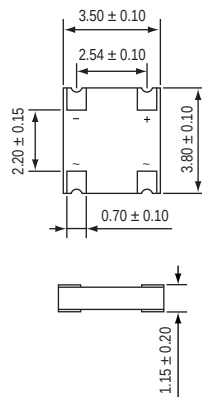
A3PS-G



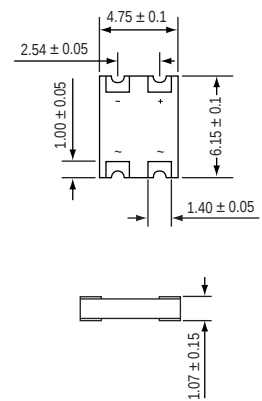
Z3PAK



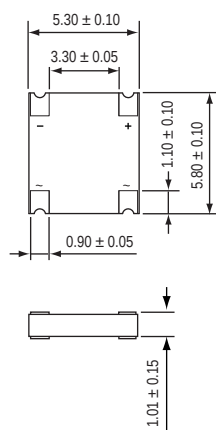
MBCN



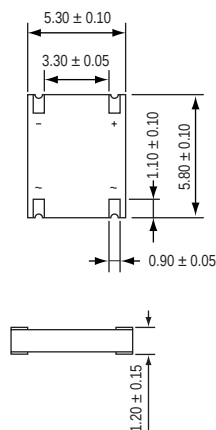
MBC



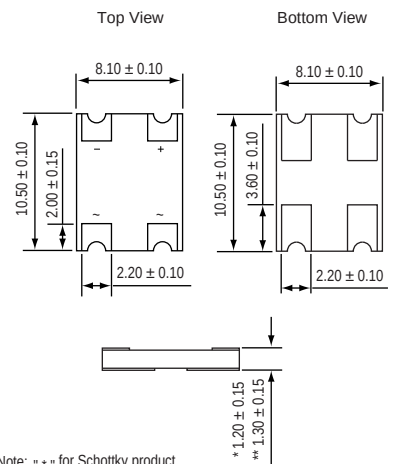
MBCR



Z4PAK



Z4PAK-D



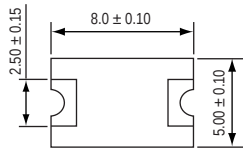
Note: *** for Schottky product
*** for GPRC product

CASE DRAWINGS

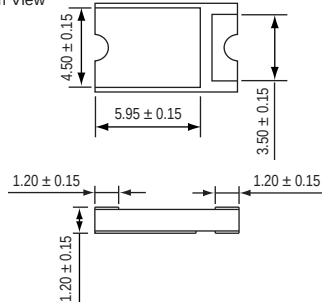
Unit : mm

Z5PAK-T

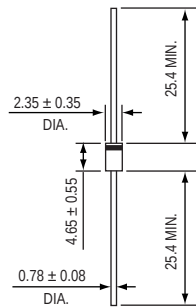
Top View



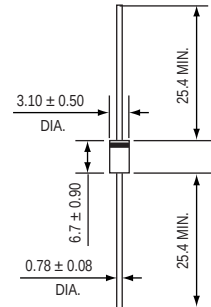
Bottom View



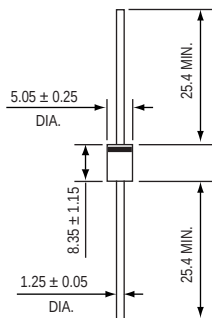
DO-204AL (DO-41)



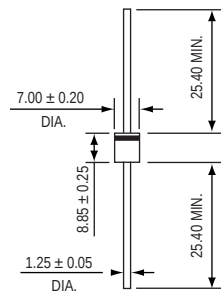
DO-204AC (DO-15)



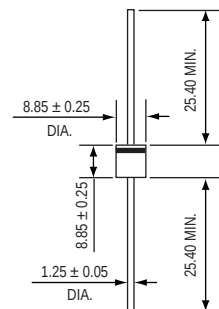
DO-201AD (DO-27)



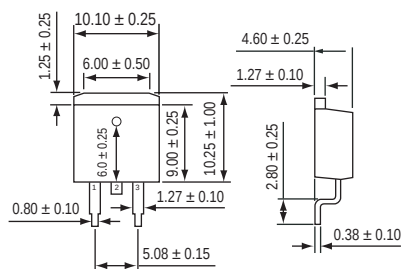
R-6



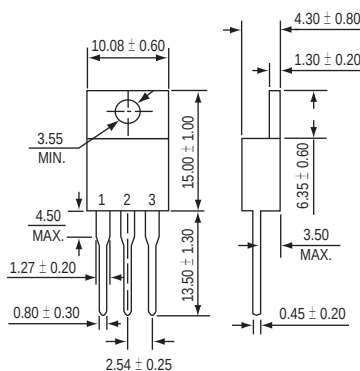
P-600



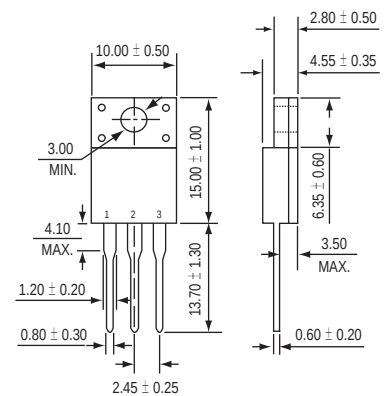
TO-263 (D²PAK)



TO-220AB



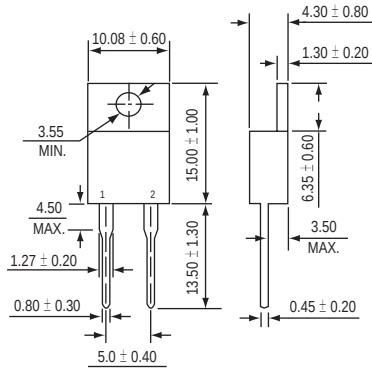
ITO-220AB



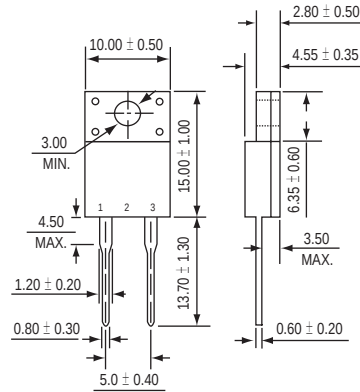
CASE DRAWINGS

Unit : mm

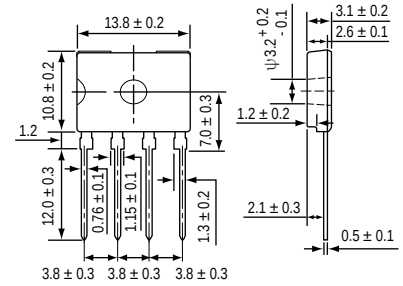
TO-220AC



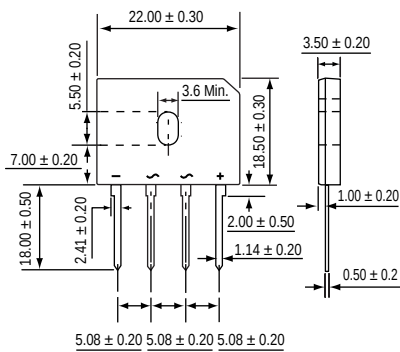
ITO-220AC



GBPS-LF



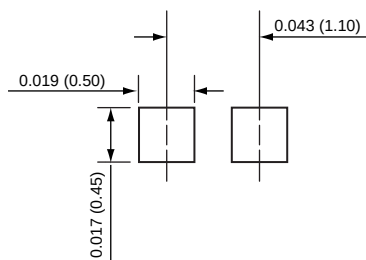
GBU-L



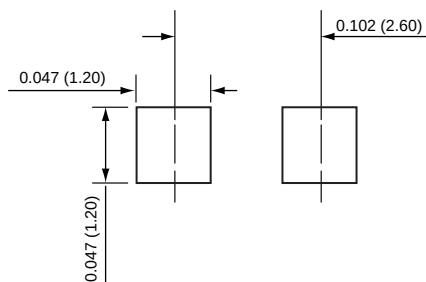
RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

*Dimensions in inches and (millimeters)

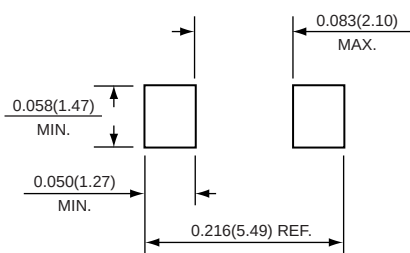
SOD-723



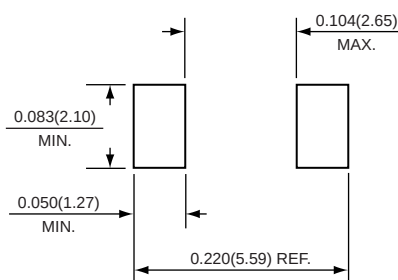
SOD-123FL



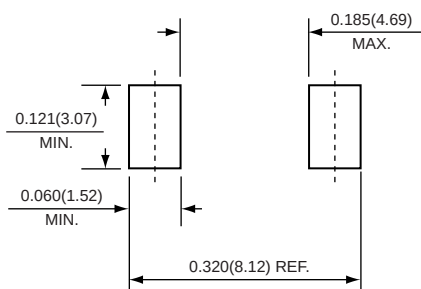
DO-214AC (SMA)



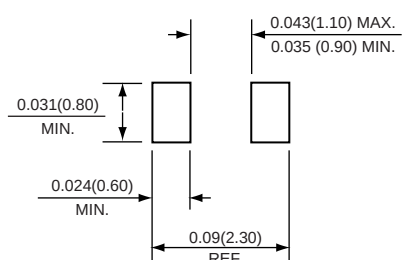
DO-214AA (SMB)



DO-214AB (SMC)



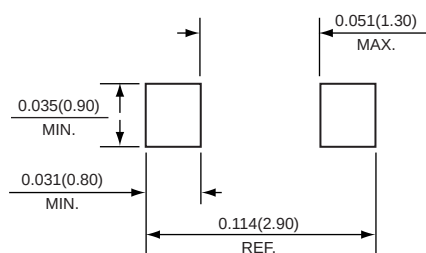
0603



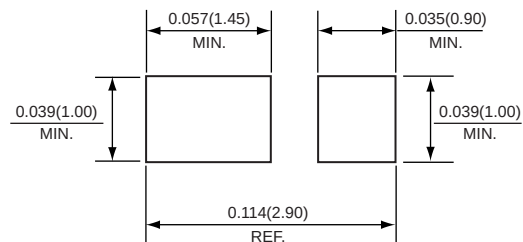
RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

*Dimensions in inches and (millimeters)

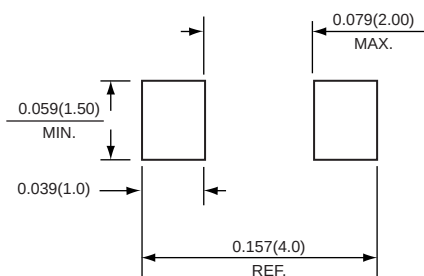
0805



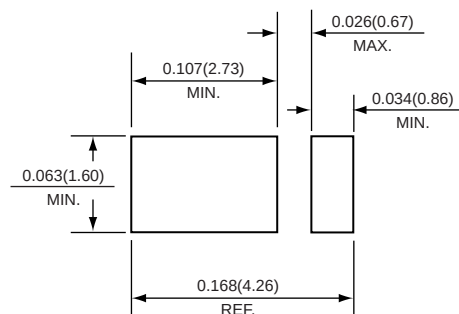
Z1PAK



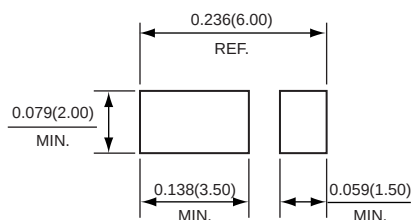
**A1206
1206
1206-S**



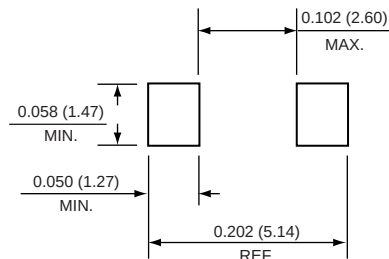
Z2PAK



Z2APAK



**A2010
2010**



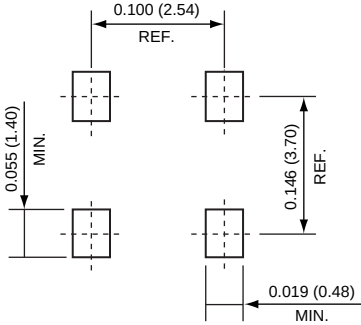
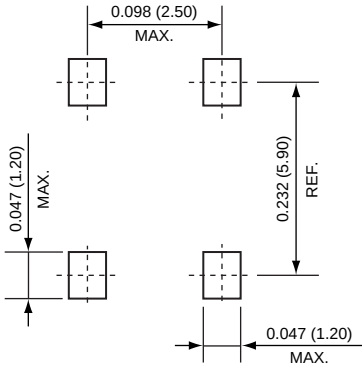
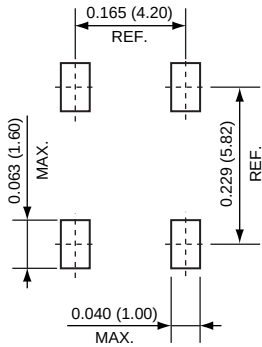
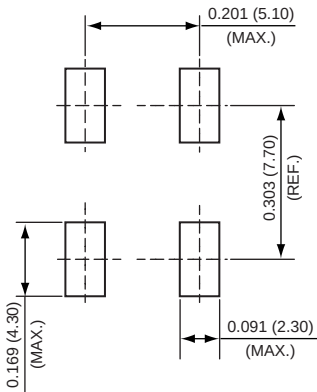
RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

*Dimensions in inches and (millimeters)

2114	3220
8034	Z3PAK
A3PS A3PS-G	A3PS-C

RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

*Dimensions in inches and (millimeters)

MBCN 	MBC 
MBCR Z4PAK 	Z4PAK-D 
Z5PAK-T 