

**SLX204MH**
**● FEATURES**

- \* Halogen-free type
- \* Compliance to RoHS product
- \* Lead less chip form, no lead damage
- \* Low power loss, High efficiency
- \* High current capability
- \* Plastic package has Underwriters Laboratory Flammability Classification 94V-0

**● APPLICATION**

- \* Suitable for battery - powered circuits
- \* Communication Equipment

**● MECHANICAL DATA**

**Case** : Packed with FRP substrate and epoxy underfilled

**Terminals** : Pure Tin plated (Lead-Free), solderable per MIL-STD-750, Method 2026.

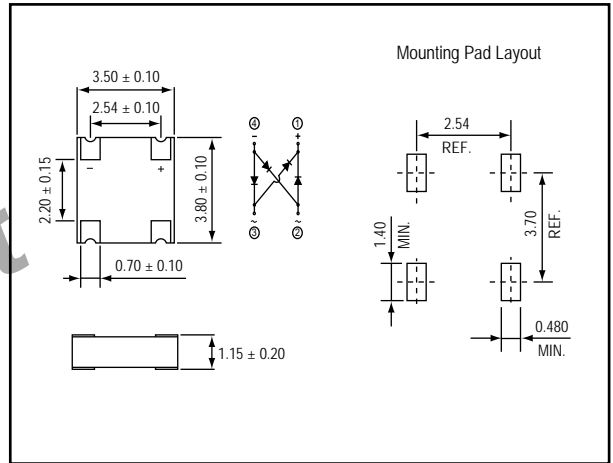
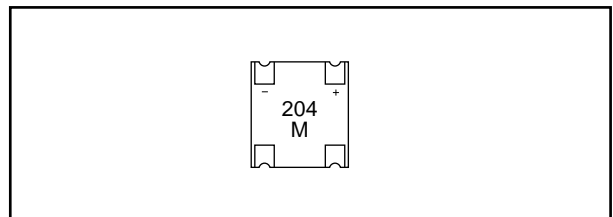
**Polarity** : Laser marking symbols

**● PACKING**

- \* 5,000 pieces per 13" (330mm ± 2mm) reel
- \* 2 reels per box
- \* 5 boxes per carton

**● OUTLINE DIMENSIONS**
**Case : MBCN**

Unit : mm


**● MARKING**

**Absolute Maximum Ratings (Ta = 25 °C)**

ITEM	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	VRRM		40	V
Average forward current	IF(AV)		2.0	A
Peak forward surge current	IFSM	8.3ms single half sine-wave	40	A
Operating storage temperature Range	Tj, TSTG		-55 to +150	°C

**Electrical characteristics (Ta = 25 °C)**

ITEM	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	VF	IF = 2.0A	-	0.51	0.55	V
Repetitive peak reverse current	IRRM	VR = Max. VRRM, Ta = 25 °C	-	0.01	0.10	mA
Thermal resistance	Rth(JA)	Junction to ambient (NOTE)	-	141	-	°C/W
	Rth(JC)	Junction to case (NOTE)	-	27	-	

NOTES : (1) Mounted on P.C.B. board with 2 x 2 mm copper pad areas.

(2) Preliminary specification.

FIG.1 - FORWARD CURRENT DERATING CURVE

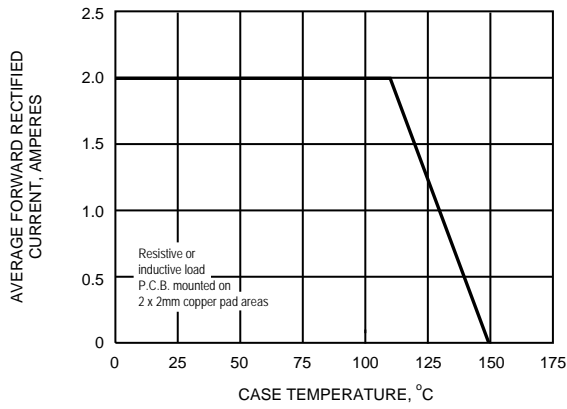


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

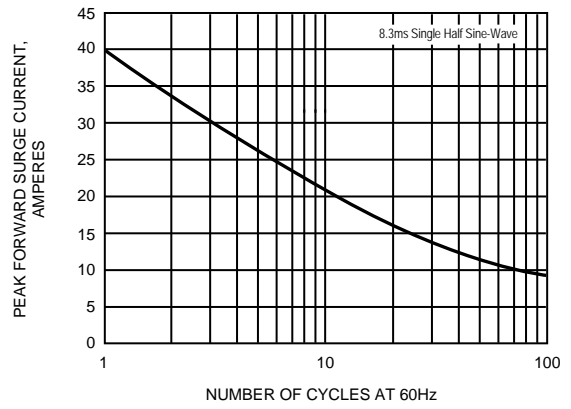


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

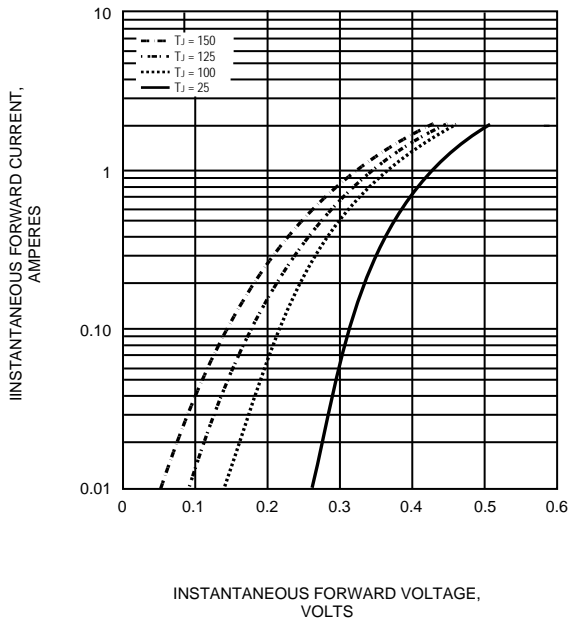


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

