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

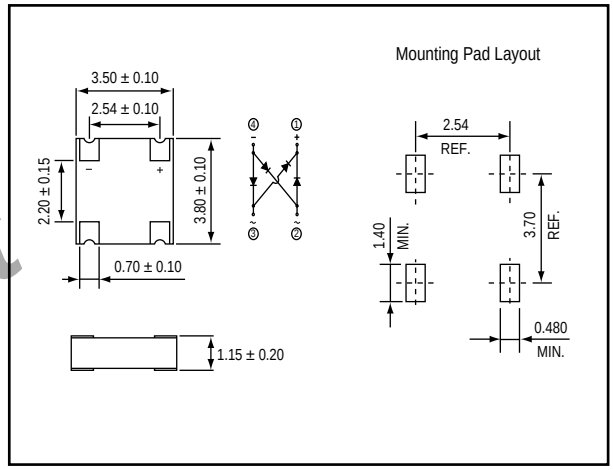
PACKING

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

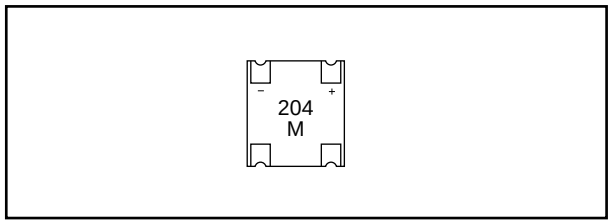
OUTLINE DIMENSIONS

Case : MBCN

Unit : mm



MARKING



New product

Absolute Maximum Ratings (Ta = 25 °C)

ITEM	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		40	V
Average forward current	$I_{F(AV)}$		2.0	A
Peak forward surge current	I_{FSM}	8.3ms single half sine-wave	40	A
Operating storage temperature Range	T_j,T_{STG}		-55 to +150	°C

Electrical characteristics (Ta = 25 °C)

ITEM	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V_F	I_F = 2.0A	-	0.51	0.55	V
Repetitive peak reverse current	I_{RRM}	V_R = Max. V_{RRM} , Ta = 25 °C	-	0.01	0.10	mA
Thermal resistance	$R_{th(JA)}$	Junction to ambient (NOTE)	-	141	-	°C/W
	$R_{th(JC)}$	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

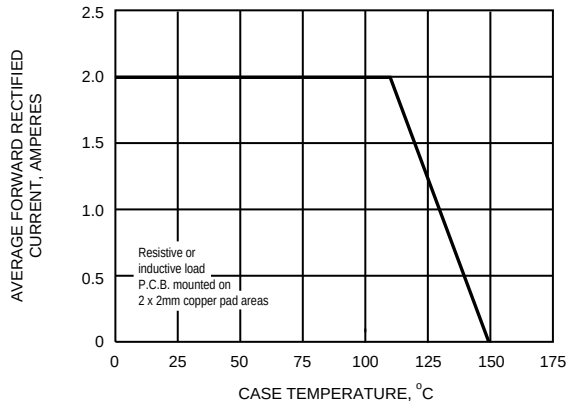


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

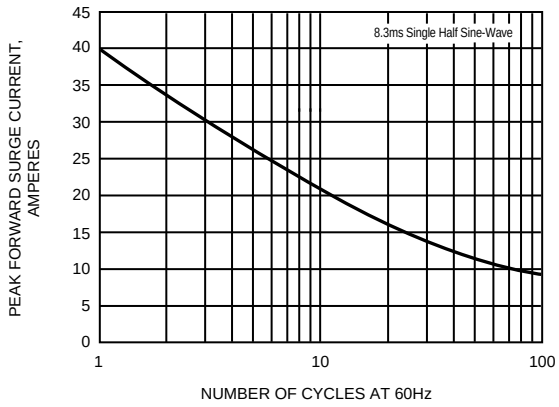


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

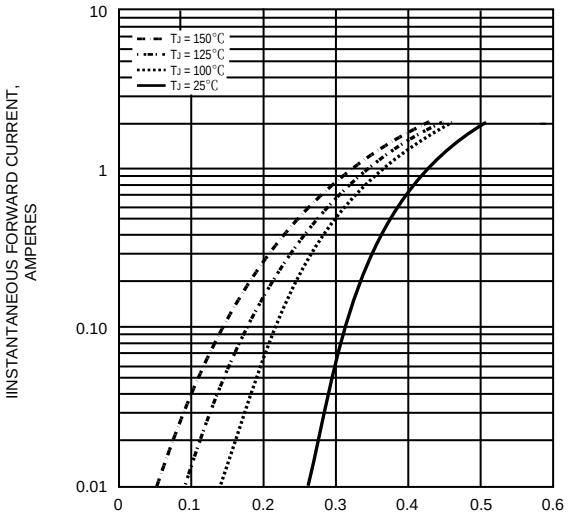


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

