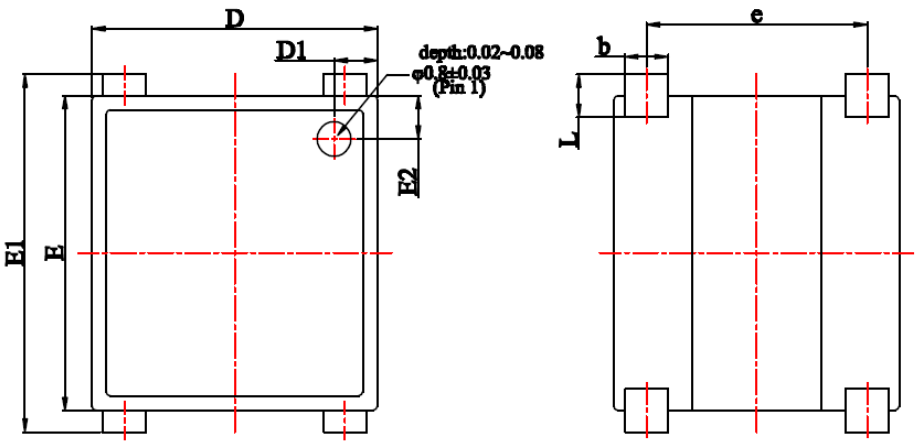
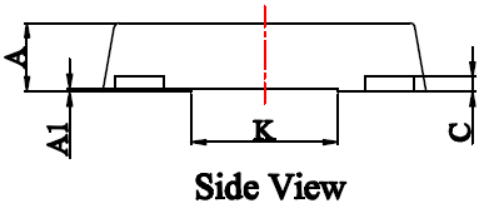
Package Dimension

MSBL





MSBL			
Dim.	Min.	Typ.	Max.
A	1.30	1.40	1.50
A1	0.04	0.06	0.08
C	0.27	0.30	0.40
D	6.50	6.60	6.70
D1	0.95	1.10	1.25
E	7.20	7.30	7.40
E1	7.90	8.30	8.60
E2	0.95	1.10	1.25
L	0.80	1.00	1.05
b	0.95	1.00	1.15
e	5.00	5.10	5.20
K	2.90	3.00	3.10
All dimensions in millimeter			

RATING AND CHARACTERISTIC CURVES
MSB22M

LITEON

FIG.1-FORWARD CURRENT DERATING CURVE

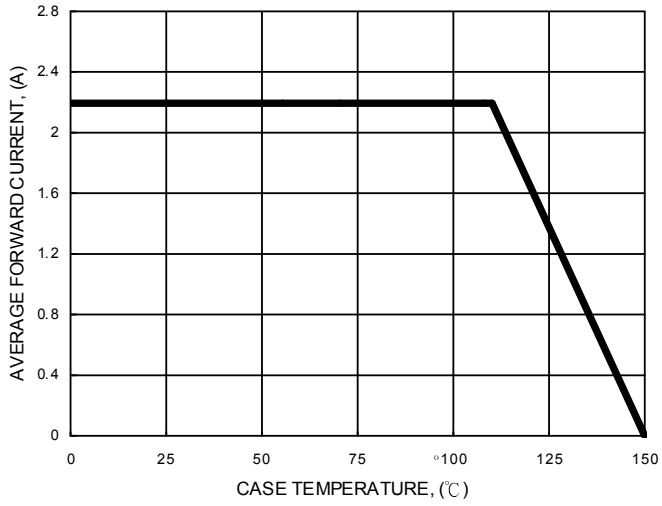


FIG.2- MAXIMUM NON-REPETITIVE SURGE CURRENT

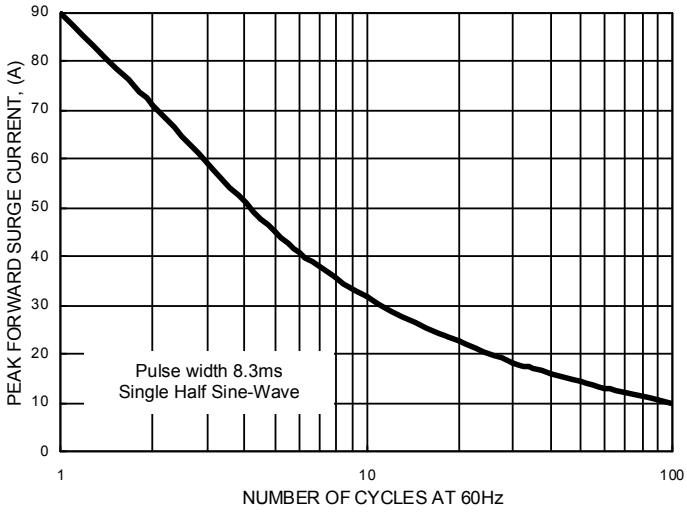


FIG.3- TYPICAL FORWORD CHARACTERISTICS

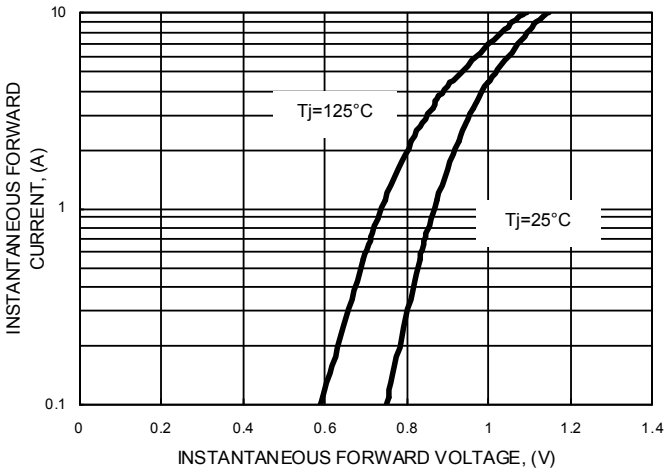


FIG.4- TYPICAL JUNCTION CAPACITANCE

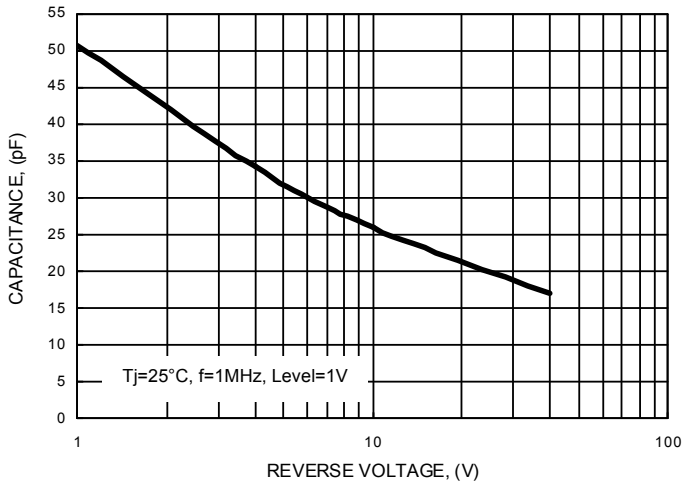


FIG.5- TYPICAL REVERSE CHARACTERISTICS

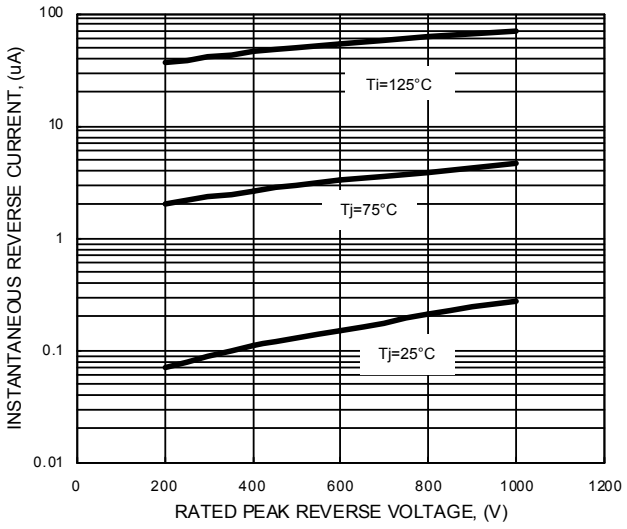
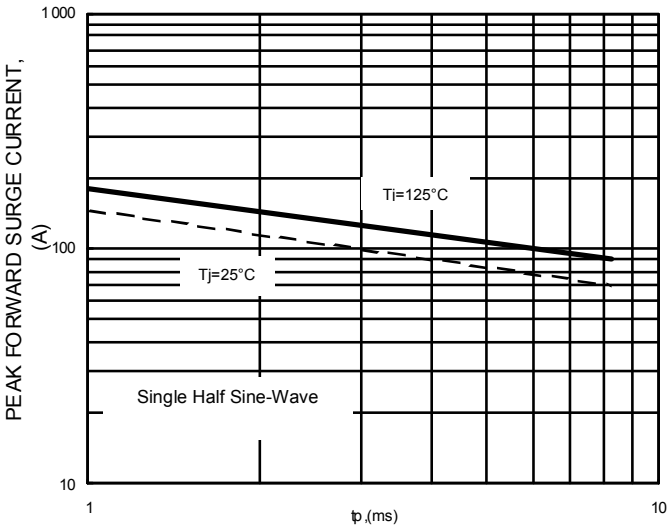


FIG.6- NON-REPETITIVE SURGE CURRENT

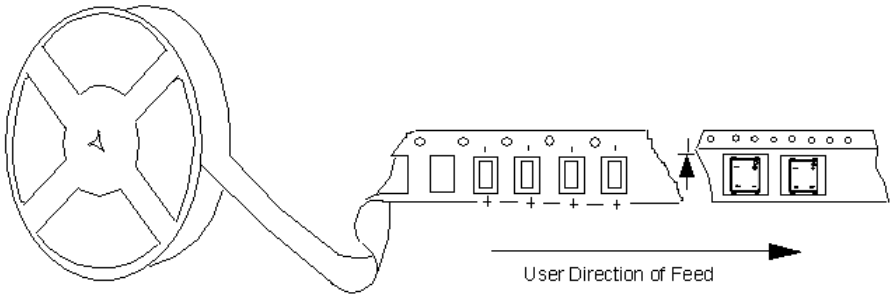


PACKING INFORMAITON
MSB22M

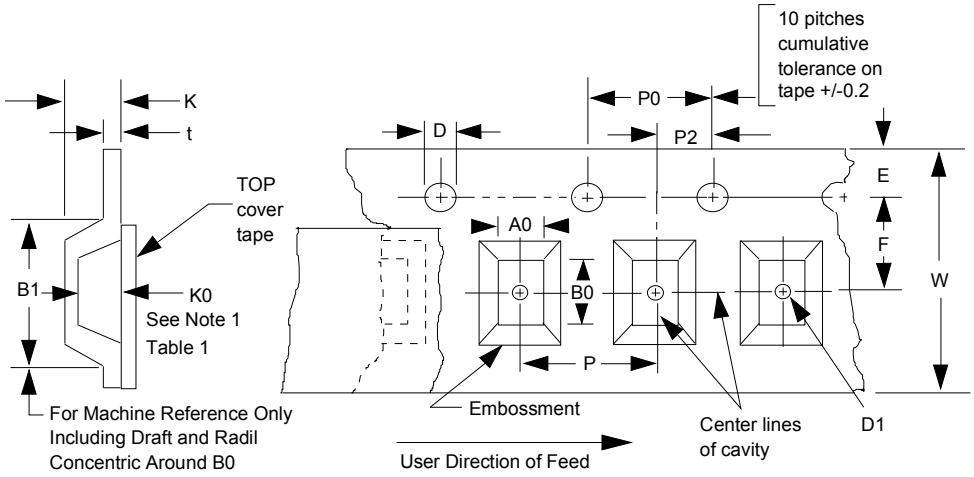
Packaging Information

DEVICE	Q'TY/REEL (PCS)	REEL DIA. (mm)	BOX SIZE (mm)	Q'TY/BOX (PCS)	CARTON SIZE (mm)	Q'TY/CARTON (PCS)	MOQ
MSB22M	2500	330	338x338x26	2500	355x355x275	25K	25K

Polar Units



Embossed Carrier Dimension



TAPE SIZE	D	E	PO	t (MAX)	A0	B0	K0
16mm	1.55+0.10/-0.0	1.75+/-0.10	4.0+/-0.10	0.4	7.0+/-0.1	8.4+/-0.1	1.7+/-0.1
	B1 (MAX)	D1 (MIN)	F	K (MAX)	P2	W	P
	8.2	1.5	5.5+/-0.1	2.2	2.0+/-0.05	12.0+/-.30	8.0+/-0.1

Typical IR Reflow Soldering Thermal Profile

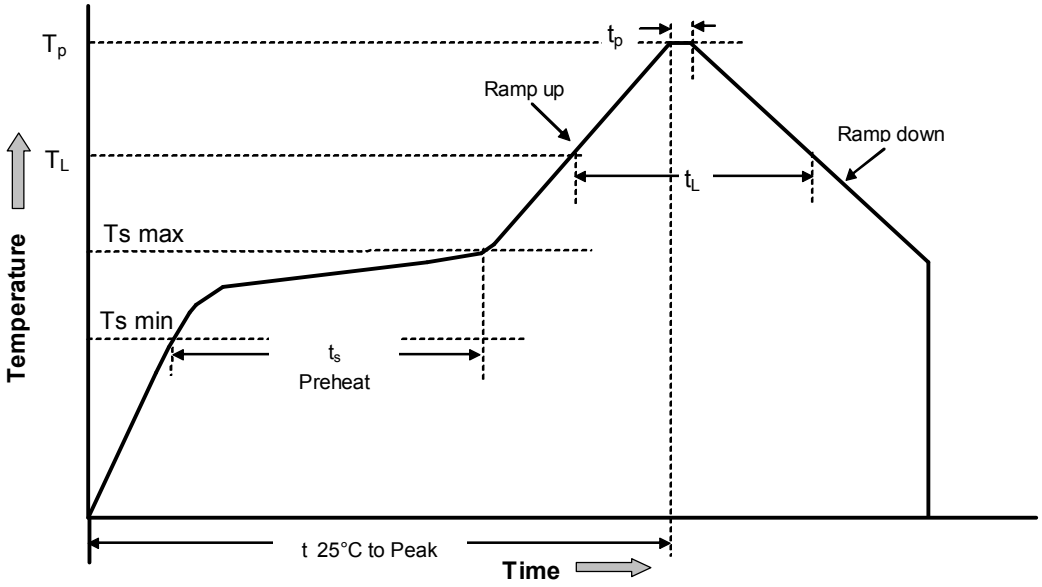


Table 1- Reflow profile

Reflow condition	Sn-Pb assembly	Pb-free assembly
Average ramp-up rate (Liquidus Temperautre (TL) to Peak)	3 °C/second max.	3 °C/second max.
Preheat --Tempautre Min, Ts (Min) --Temperature Max, Ts (Max) --Time (min to max, ts)	 100 °C 150 °C 60-120 seconds	 150 °C 200 °C 60-180 seconds
Ts(max) to TL - Ramp-up Rate		3 °C/second max.
Time maintained above: --Temperature(TL) --Time(tL)	 183 °C 60-150 seconds	 217 °C 60-150 seconds
Peak Temperature (Tp)	240 +0/-5 °C	260 +0/-5 °C
Time within 5 °C of actual Peak Temperature(tp)	10-30 seconds	20-40 seconds
Ramp-down Rate	6 °C/second max.	6 °C/second max.
Time 25 °C to Peak Temperature.	6 minutes max.	8 minutes max.

Note: All temperatures refer to topside of the package, measured on the package body surface

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