



Features

- Surface Mount Package
- Glass Passivated Diode Construction
- Moisture Resistant Epoxy Case
- High surge forward current capability

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

XM Catalog Number	Device Marking	Maximum Rccurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
RMSB310H	RMSB310H	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

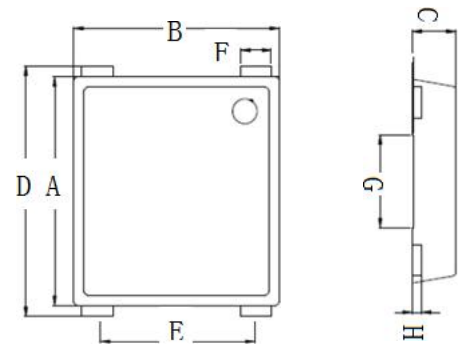
Average Forward Current	$I_F(AV)$	3A	
Peak Forward Surge Current	I_{FSM}	100A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.3V	$I_F = 3.0 A$; $T_A = 25^\circ C$
Maximum DC reverse current at Rated DC Blocking Voltage	I_R	$5 \mu A$ $100 \mu A$	$T_A = 25^\circ C$ $T_A = 125^\circ C$
Maximum Reverse Recovery Time(Note1)	t_{rr}	500 ns	

Notes:

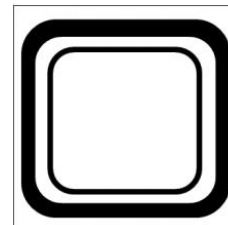
1. "H" On behalf of non-halogen Environmentally friendly materials.

3.0Amp Single Phase Glass Passivated Bridge Rectifier 1000 Volts

MSB



DIM	INC HES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.276	0.291	7.000	7.400	
B	0.256	0.272	6.500	6.900	
C	0.047	0.063	1.200	1.600	
D	0.319	0.335	8.100	8.500	
E	0.193	0.209	4.900	5.300	
F	0.035	0.049	0.900	1.250	
G	0.110	0.126	2.800	3.200	
H	0.008	0.016	0.200	0.400	



CHIP DIMENSION Square SIZE DESIGN 84±2MIL



FIG.1-MAXIMUM FORWARD SURGE CURRENT

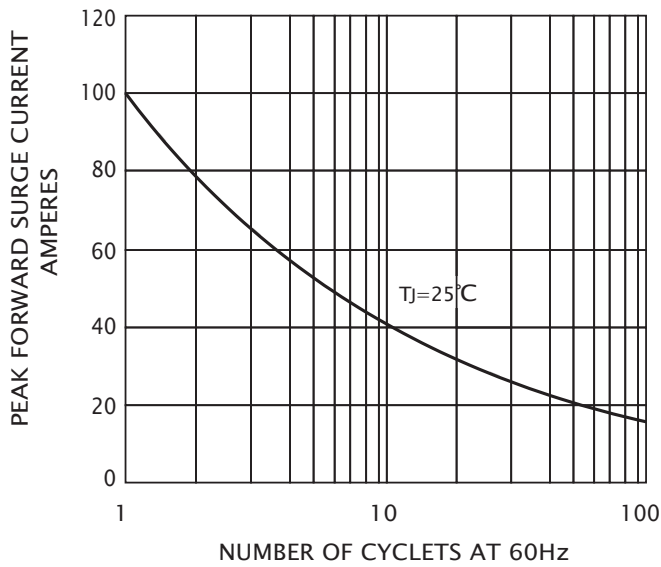


FIG.2-FORWARD CURRENT DERATING CURVE

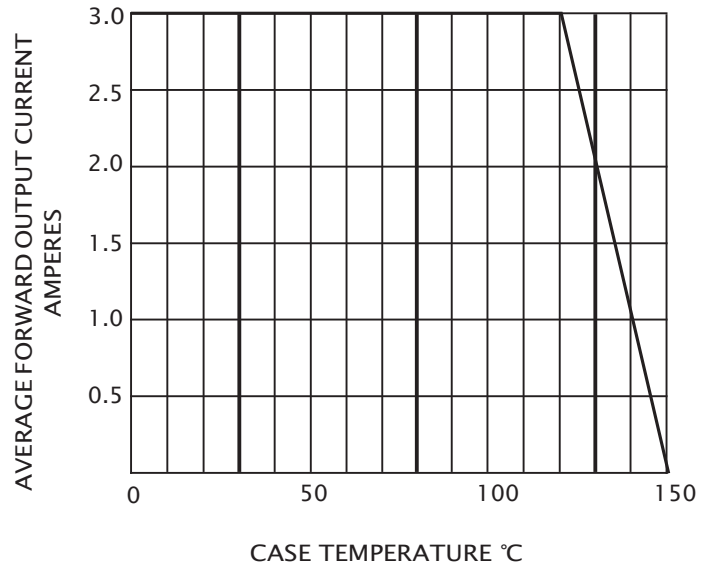


FIG.3-TYPICAL FORWARD CHARACTERISTICS

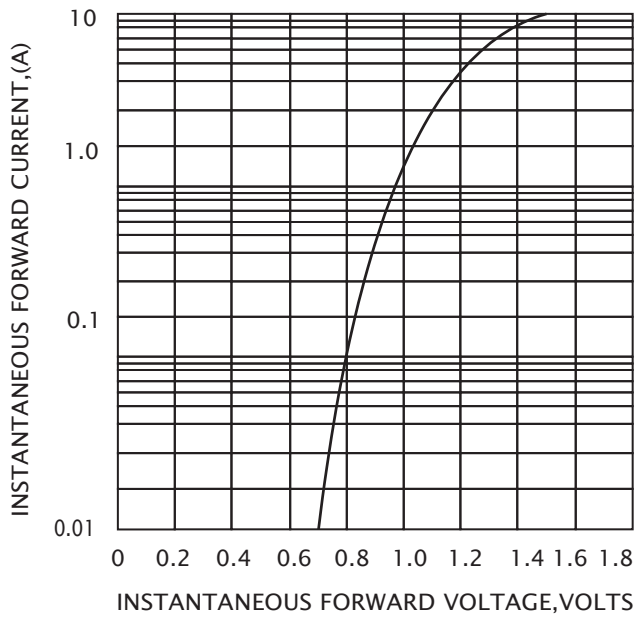
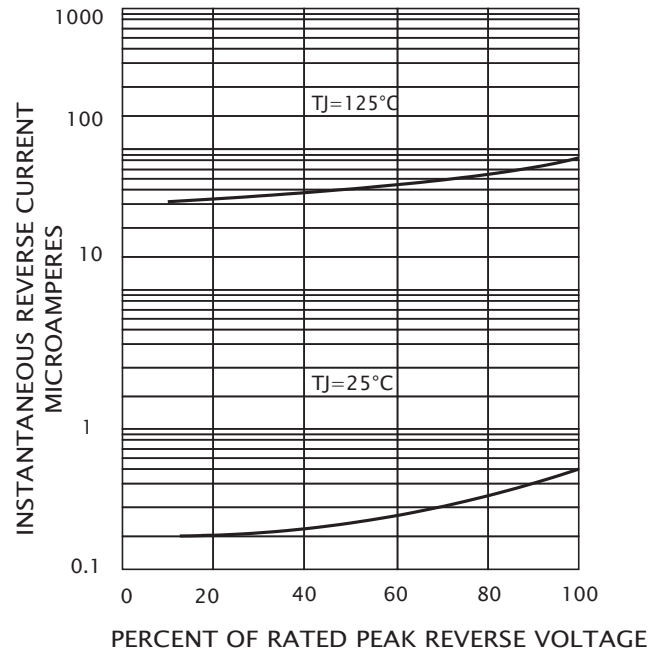


FIG.4-TYPICAL REVERSE CHARACTERISTICS





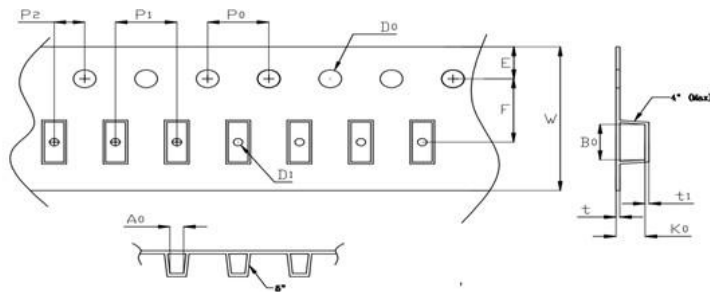
MARKING INFORMATION



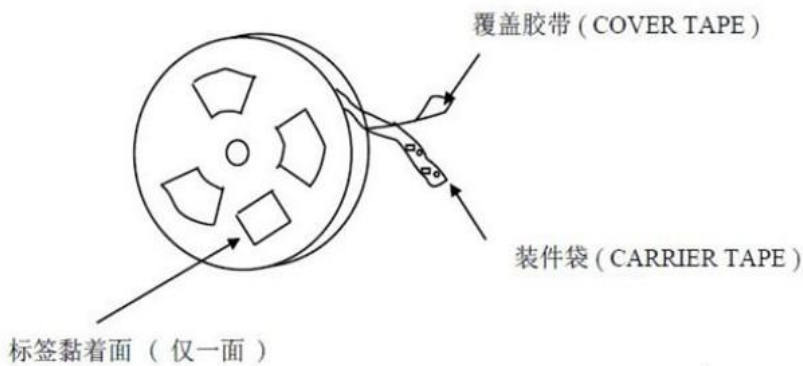
 = Logo
XXXX = Date Code Marking
RMSB310 = Marking Code
H = Halogen free

PACKING REQUIRMENTS

- PS black anti-static carrier tape packing.



Specifications	Carrier tape type	A0	B0	K0	P0	W	t1	Explain
MSB	Anti-static	7.0± 0.10	8.7±0.10	1.65± 0.10	4.00± 0.10	16.0± 0.30	0.28± 0.05	



DEVICE TYPE	Tape width	13"Reel		
		Q'TY/REEL (pcs)	BOX/CARTOON	Q'TY/REEL (pcs)
MSB	16mm	3000	6000	36000



注意事项

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3. 在电路设计时请不要超过器件的绝对最大额定值，否则会影响整机的可靠性。
4. 本说明书如有版本变更不另外告知

NOTE

1. Shenzhen Huatianwei Electronics co., Ltd sales its product either through direct sales or sales agent , thus, for customers, when ordering , please check with our company.
2. We strongly recommend customers check carefully on the trademark when buying our product, if there is any question, please don't be hesitate to contact us.
3. Please do not exceed the absolute maximum ratings of the device when circuit designing.
4. Shenzhen Huatianwei Electronics co., Ltd reserves the right to make changes in this specification sheet and is subject to change without prior notice.

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