

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

Catalog Number	Device Marking	Maximum Rccurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
RMSB40M	RMSB410	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

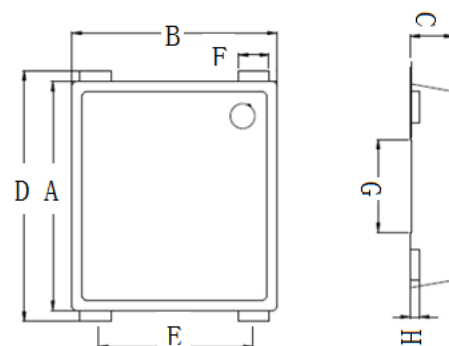
Average Forward Current	$I_F(AV)$	4A	
Peak Forward Surge Current	I_{FSM}	90A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.3V	$I_F = 4.0A$; $T_A = 25^\circ C$
Maximum DC reverse current at Rated DC Blocking Voltage	I_R	5 μA 100 μA	$T_A = 25^\circ C$ $T_A = 125^\circ C$
MaximumReverse RecoveryTime(Note1)	trr	500 ns	

Notes:

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

4.0Amp 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	

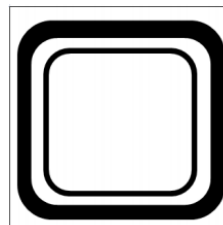


FIG.1-MAXIMUM FORWARD SURGE CURRENT

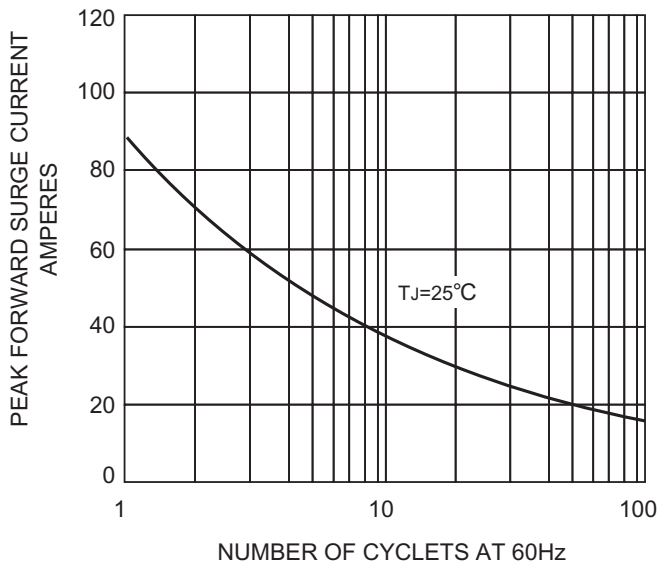


FIG.2-FORWARD CURRENT DERATING CURVE

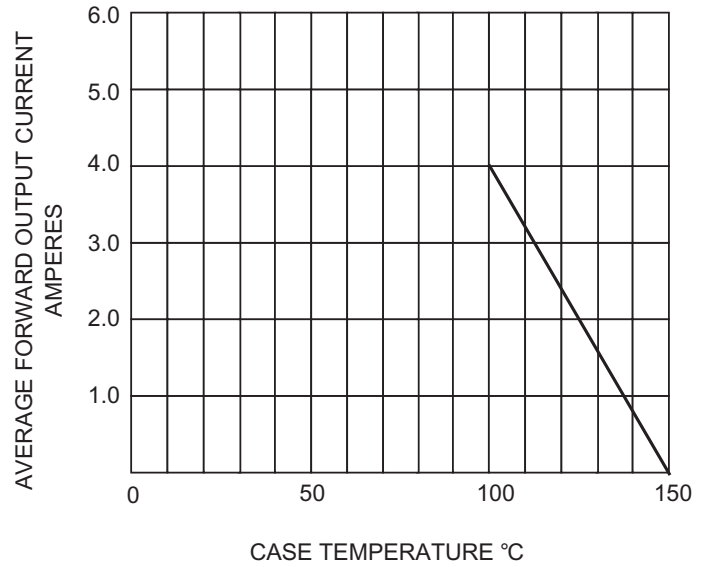


FIG.3-TYPICAL FORWARD CHARACTERISTICS

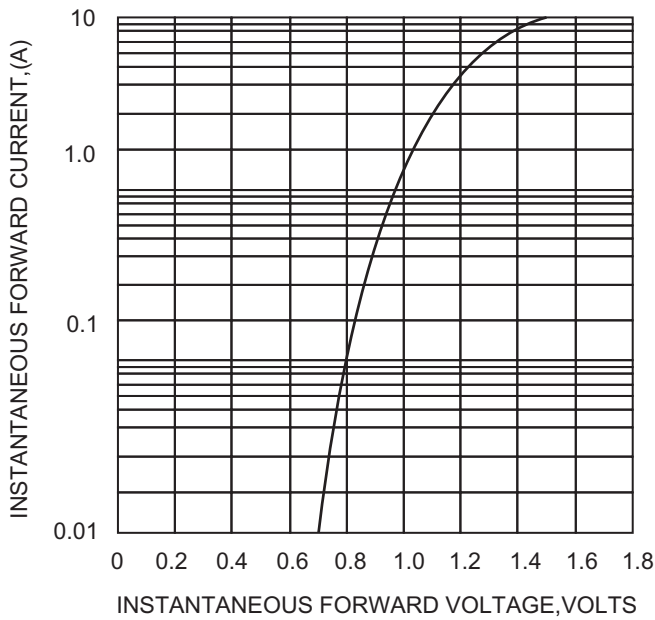
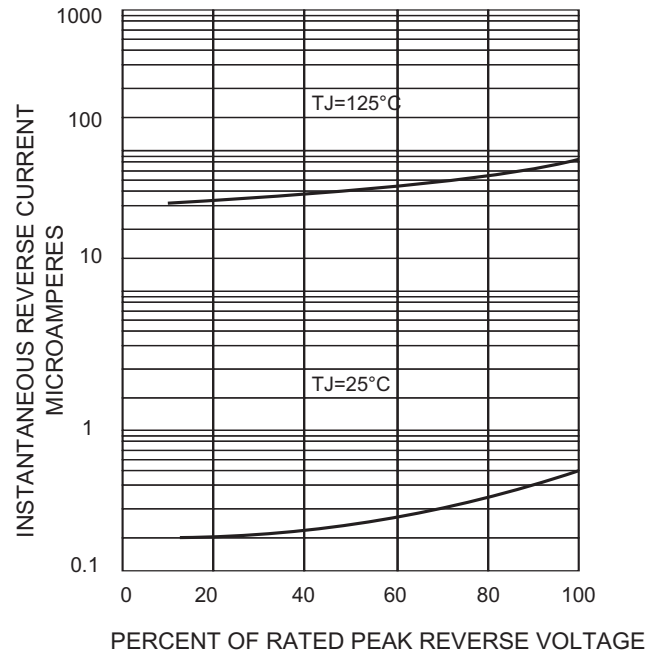
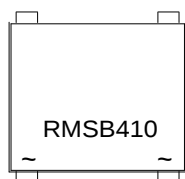


FIG.4 -TYPICAL REVERSE CHARACTERISTICS



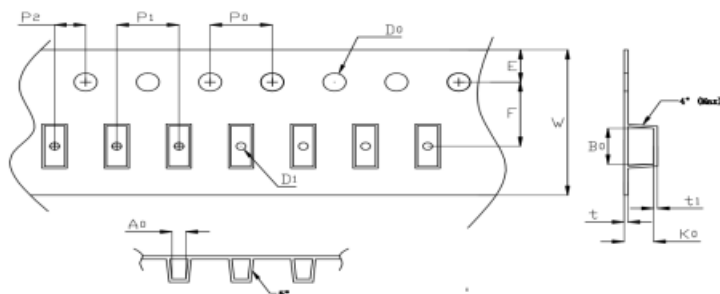
MARKING INFORMATION



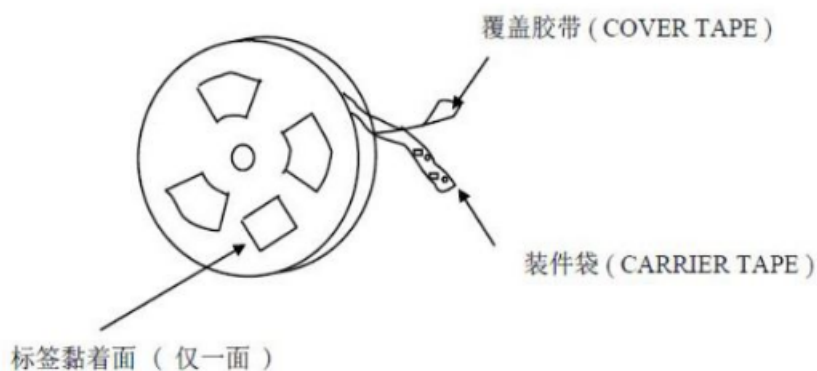
RMSB410 = Marking Code

PACKING REQUIRMENTS

- PS black anti-static carrier tape packing.



Specifications	Carrier tape type	Ao	Bo	Ko	Po	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	60000