

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- Rating to 1000V PRV
- Ideal for printed circuit board
- High temperature soldering guaranteed: 260C/10 seconds at terminals
- Component in accordance to RoHS 2011 65 EU

Maximum Ratings

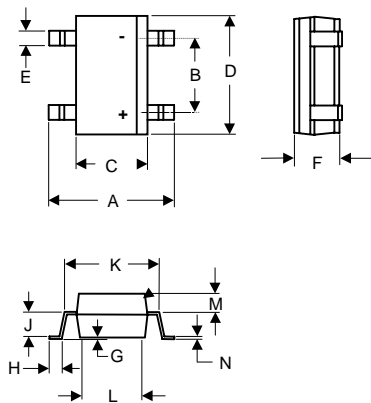
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

	Symbols	RABS210	Units
Maximum Recurrent Peak Reverse Voltage	VRRM	1000	Volts
Maximum RMS Voltage	VRMS	700	Volts
Maximum DC Blocking Voltage	VDC	1000	Volts
Maximum Average Forward Rectified Current	IF(AV)	2.0	Amp
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	50	Amps
Current squared time @1ms<t<8.3ms TJ=25°C, Rating of per diode	I ² t	10.3	A ² s
Maximum Instantaneous Forward Voltage at 2.0A DC	VF	1.3	Volts
Maximum DC Reverse Current at rated DC blocking voltage	IR	5 150	μA
			TA=25°C TA=125°C
Typical junction capacitance	CJ	8	pF
Typical thermal resistance	RθJA	62	°C/W
Maximum reverse recovery time	trr	500	nS
Junction And Storage Temperature Range	TJ TSTG	-55 to +150	°C

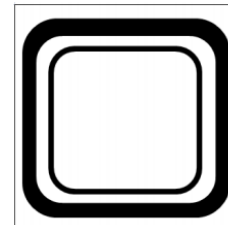
2.0Amp Single Phase Glass Passivated Bridge Rectifier 1000 Volts

ABS



DIMENSIONS

DIM	INC HES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.234	.249	6.10	6.50	
B	.149	.157	3.90	4.10	
C	.161	.176	4.20	4.60	
D	.188	.203	4.90	5.30	
E	.017	.029	0.45	0.75	
F	.046	.057	1.20	1.50	
G	.000	.008	0.00	0.20	
H	.021	.023	0.53	0.58	
J					
K					
L					
M	.023	.027	0.50	0.70	



CHIP DIMENSION Square SIZE DESIGN 60±2MIL

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

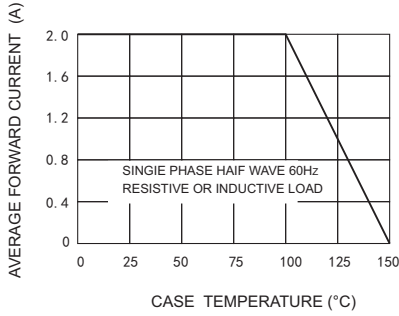


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

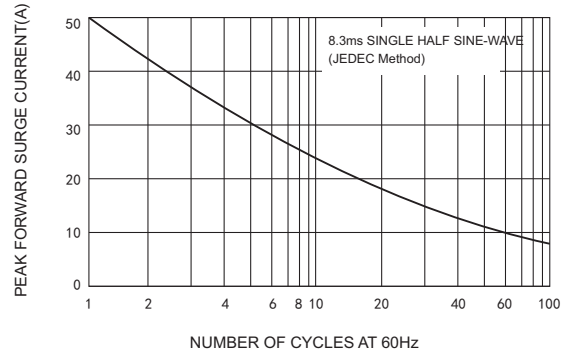


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

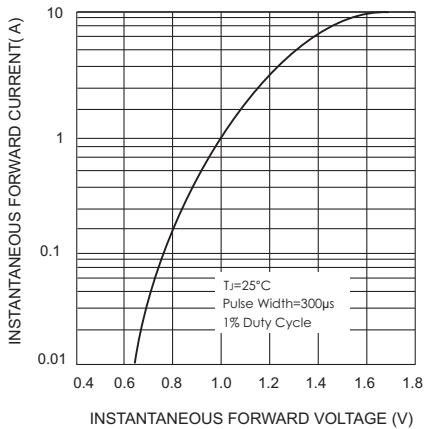
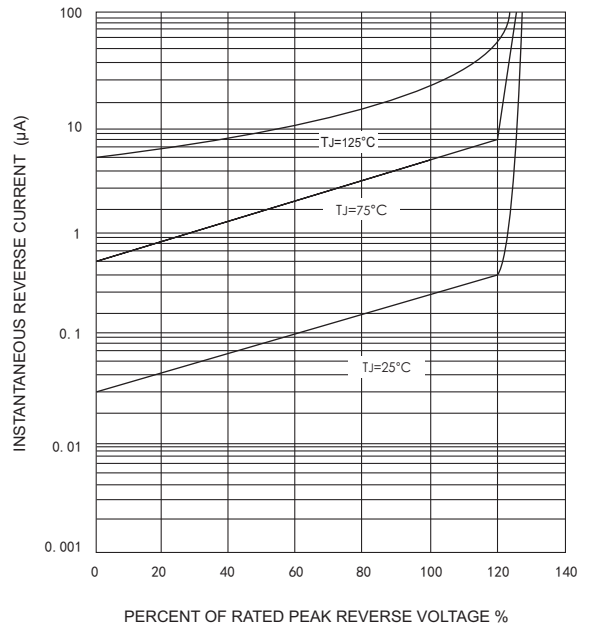
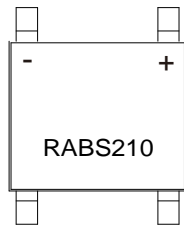


FIG.4-TYPICAL REVERSE CHARACTERISTICS



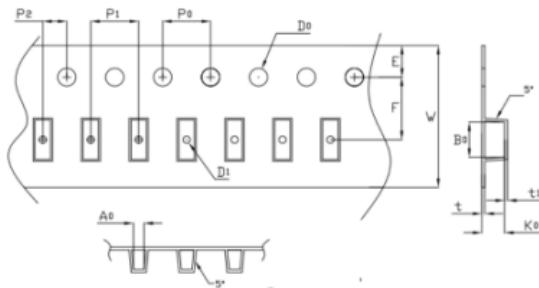
MARKING INFORMATION



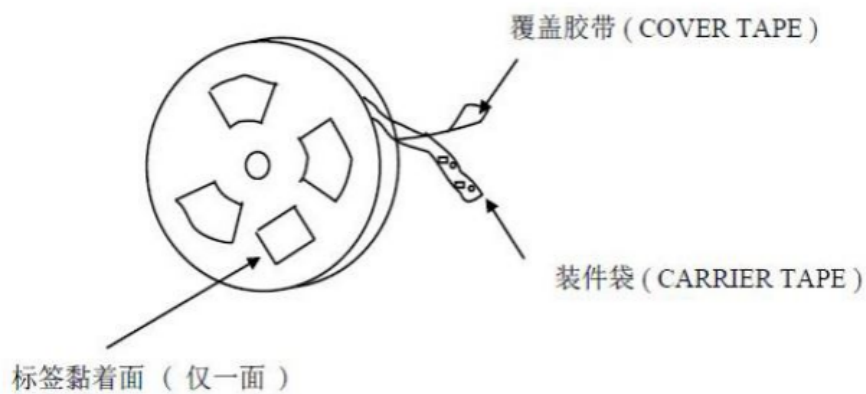
RABS210= Marking Code

PACKING REQUIRMENTS

- PS black anti-static carrier tape packing.



Specifications	Carrier tape type	Ao	Bo	Ko	Po	W	t	Explain
ABS	Anti-static	5.31± 0.10	6.8± 0.10	1.59± 0.10	4.00± 0.10	12.0± 0.10	0.23± 0.05	



DEVICE TYPE	Tape width	13"Reel		
		Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)
ABS	12mm	5000	20	100000