



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: 260°C/10 seconds at terminals
- Component in accordance to RoHS 2011 65 EU

Maximum Ratings

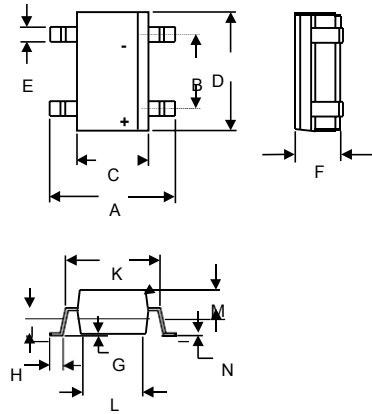
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

	Symbols	RABS10	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	1000	V _{olts}
Maximum RMS Voltage	V_{RMS}	700	V _{olts}
Maximum DC Blocking Voltage	V_{DC}	1000	V _{olts}
Maximum Average Forward Rectified Current	$I_{F(AV)}$	1.0	A _{mp}
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	30	A _{mps}
Current squared time @ 1ms ≤ t < 8.3ms T _J = 25°C, Rating of per diode	I^2t	3.73	A ² s
Maximum Instantaneous Forward Voltage at 1.0 A DC	V_F	1.3	V _{olts}
Maximum DC Reverse Current at rated DC blocking voltage	I_R	5 150	μA
Typical junction capacitance	C_J	25	pF
Typical thermal resistance	$R_{\theta JA}$	62	°C/W
Maximum reverse recovery time	t_{rr}	500	ns
Junction And Storage Temperature Range	T_J T_{STG}	-55 to +150	°C

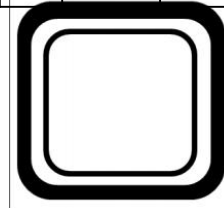
1.0Amp Single Phase Glass Passivated Bridge Rectifier 1000 Volts

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 50±2MIL

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

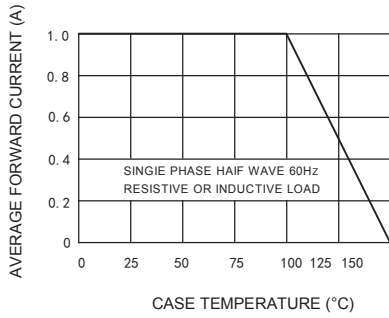


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

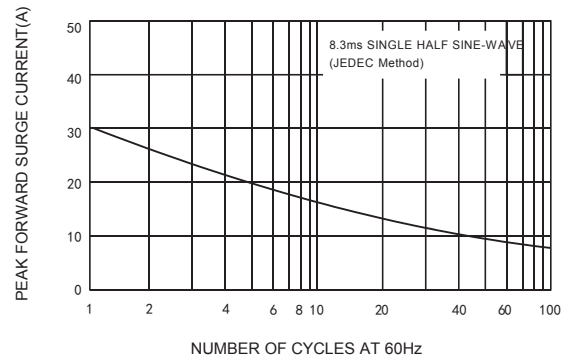


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

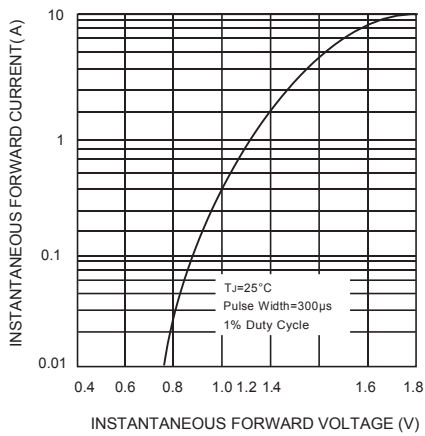
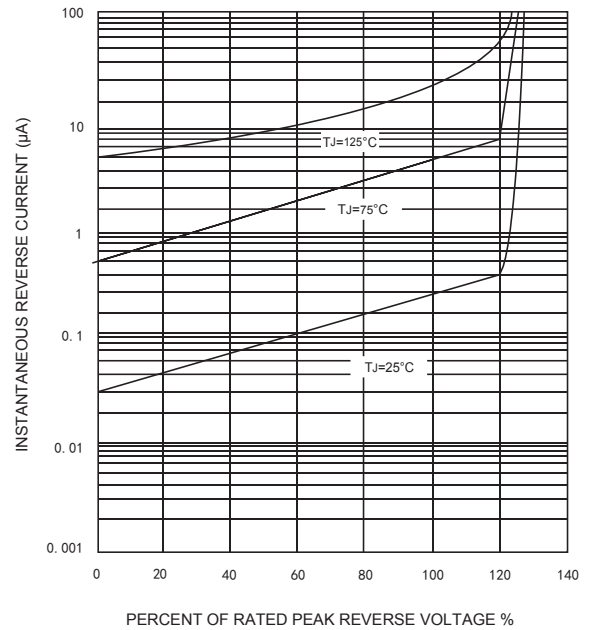
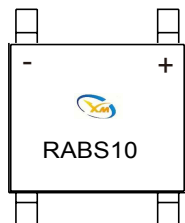


FIG.4-TYPICAL REVERSE CHARACTERISTICS





MARKING INFORMATION

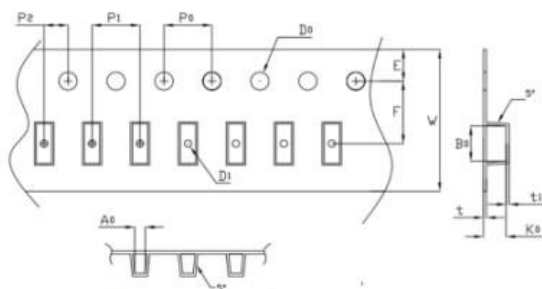


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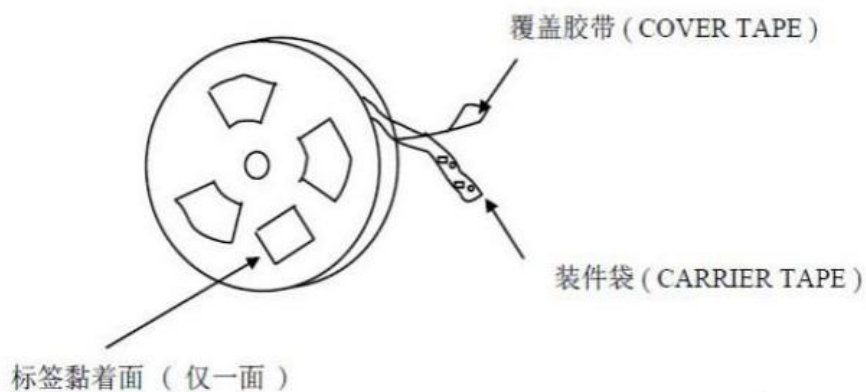
RABS10 = Marking Code

PACKING REQUIRMENTS

- PS black anti-static carrier tape packing.



Specifcations	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/CARTOON	Q'TY/REEL (pcs)
ABS	12mm	5000	20	100000



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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。
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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.
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