Glass Passivated Bridge Rectifier

Feature

- Glass Passivated Chip Juntion
- Reverse Voltage - 100 to 1000 V
- Forward Current - 2 A
- High Surge Current Capability
- Designed for Surface Mount Application

Maximum Ratings and Electrical characteristics

Single-phase, half-wave, 60 Hz, resistive or inductive load .

For capacitive load, derate current by 20%.

Parameter	Symbol	ABS 201	ABS 202	ABS 204	ABS 206	ABS 208	ABS 210	Units
Maximum Repetitive Peak Reverse Voltage Maximum DC Blocking Voltage	V_{RRM} V_{DC}	100	200	400	600	800	1000	V
Maximum RMS voltage	$V_{R(RMS)}$	70	140	280	420	560	700	V
Averager Rectified Output Current at Ta=40℃	I_O	2.0						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	50						A
Maximum DC Reverse Current @T=2.0A at Rated DC Blocking Voltage @T=125A	V_F	1.0						V
Peak Reverse Current T_A=25℃ at Rated DC Blocking Voltage T_A=125℃	I_R	5.0 500						μA
Typical Junction Capacitance（Note1）	Cj	25						pF
Typical Thermal Resistance（Note2）	$R_{\theta JA}$	80						℃/W
Operating and Storage Temperature Range	T_J,T_{STG}	-55 to +150						℃

Note:

1. Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with 4×2.54mm^2 copper pad.

Typical Characteristics

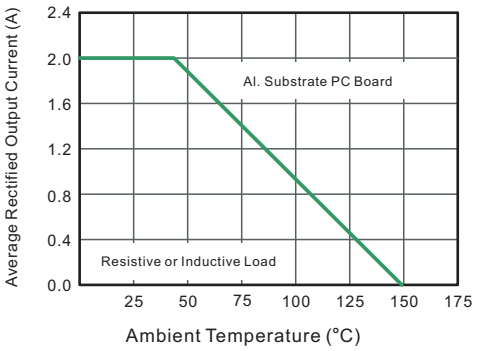


Fig.1 Average Rectified Output Current Derating Curve

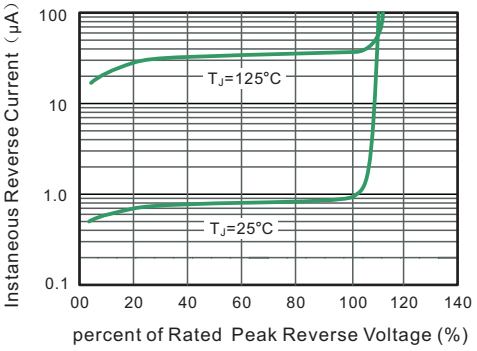


Fig.2 Typical Reverse Characteristics

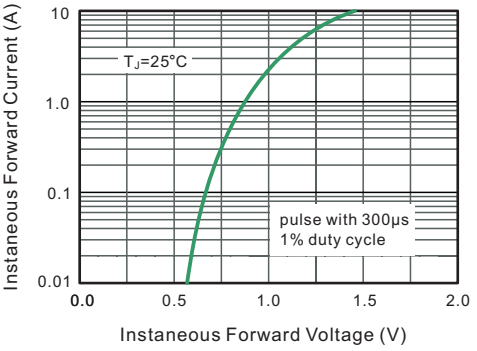


Fig.3 Typical Instaneous Forward Characteristics

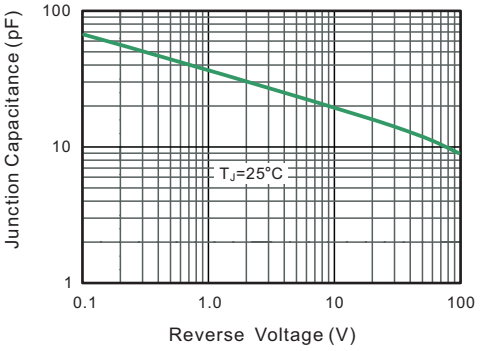


Fig.4 Typical Junction Capacitance

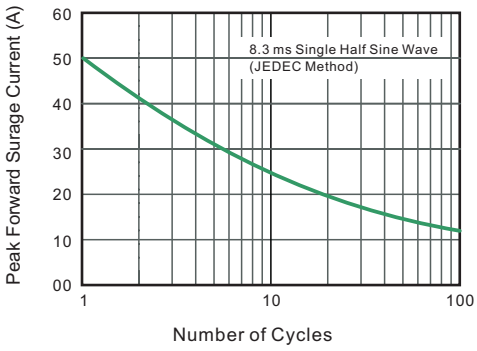
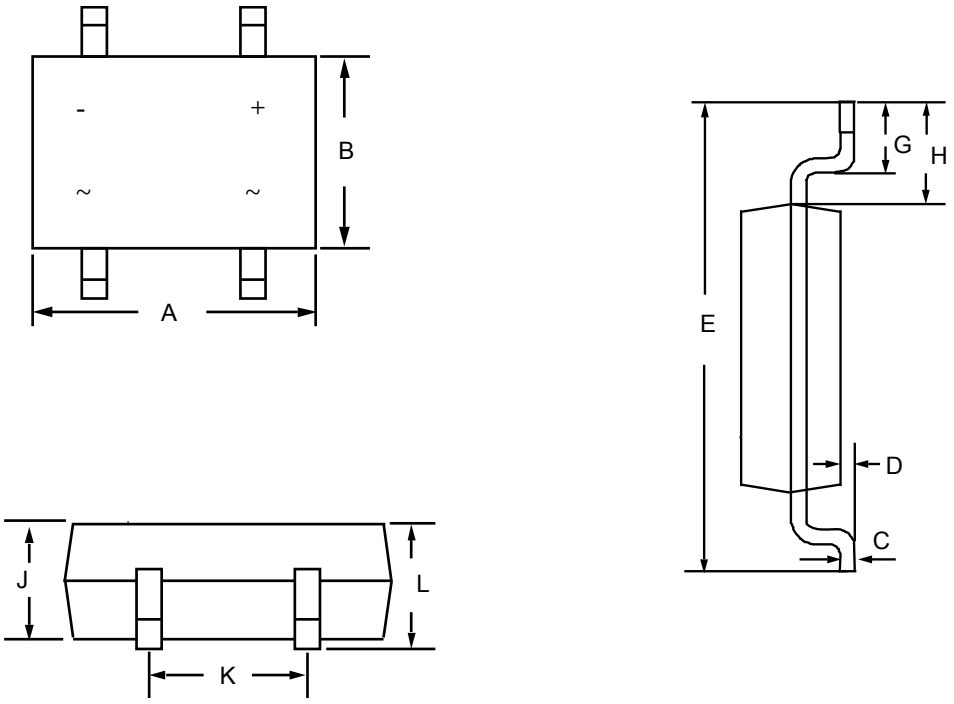


Fig.5 Maximum Non-Repetitive Peak Forward Surage Current

Product dimension (ABS)



Dimension	Millimeters	
	MIN	MAX
A	4.90	5.30
B	4.30	4.80
C	0.15	0.25
D	0.05	0.15
E	6.00	6.40
G	0.30	0.80
H	0.80	1.20
J	1.20	1.40
K	3.80	4.20
L	--	1.50

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