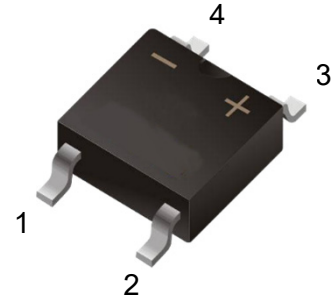


2A SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER
Feature

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


Top View
Mechanical Characteristics

- Case: ABS/LBF
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 88mg 0.0031oz

Absolute maximum rating@25°C

Parameter	Symbol	PABS 201	PABS 202	PABS 204	PABS 206	PABS 208	PABS 210	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	800	1000	V
Average Rectified Output Current at $T_c = 115\text{ }^\circ\text{C}$	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 Forward Voltage at 2.0 A	V_F	1.0						V
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_a = 25\text{ }^\circ\text{C}$ $T_a = 125\text{ }^\circ\text{C}$	I_R	5.0 100						μA
Typical Junction Capacitance ¹⁾	C_J	25						pF
Typical Thermal Resistance ²⁾	$R_{\theta JA}$ $R_{\theta JC}$	60 16						$^\circ\text{C/W}$
Operating and Storage Temperature Range	T_J, T_{STG}	-55~+150						$^\circ\text{C}$

Notes:

1) Measured at 1MHz and applied reverse voltage of 4 V D.C.

2) Mounted on glass epoxy PC board with 4×1.5"×1.5" (3.81×3.81 cm) copper pad.

Typical Characteristics

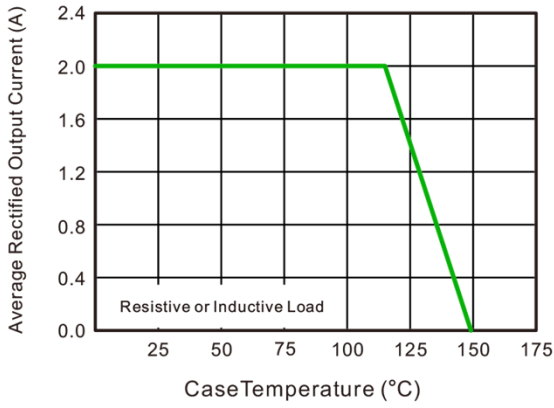


Fig.1 Average Rectified Output Current Derating Curve

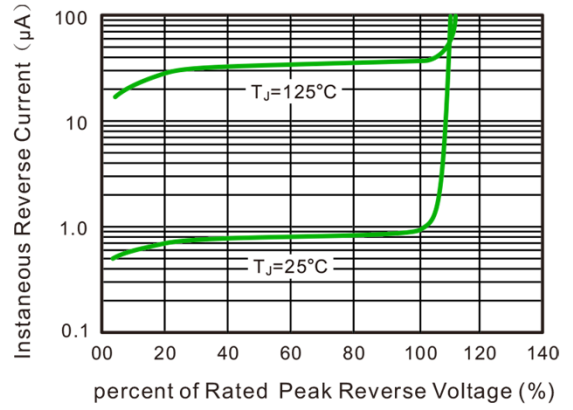


Fig.2 Typical Reverse Characteristics

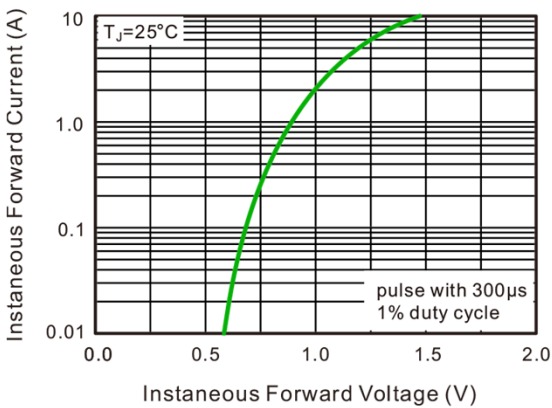


Fig.3 Typical Instantaneous Forward Characteristics

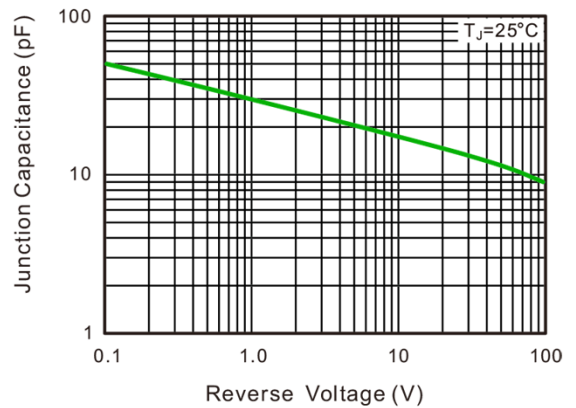


Fig.4 Typical Junction Capacitance

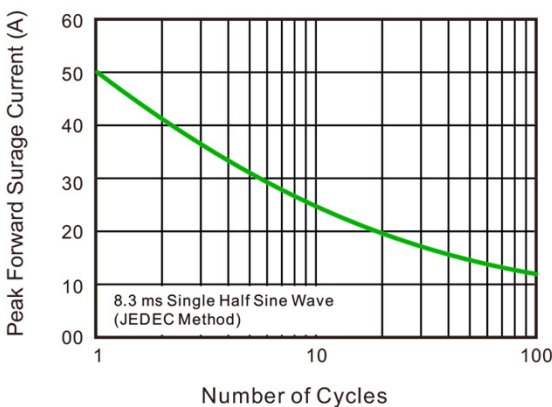
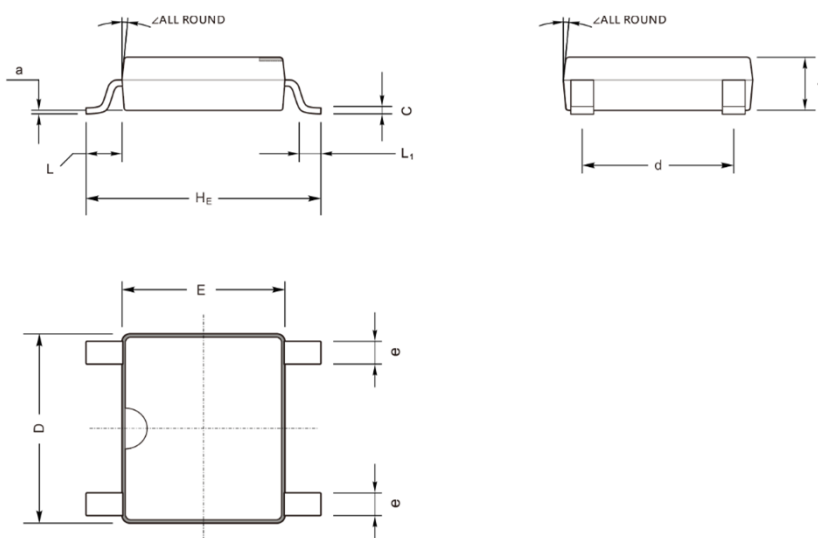
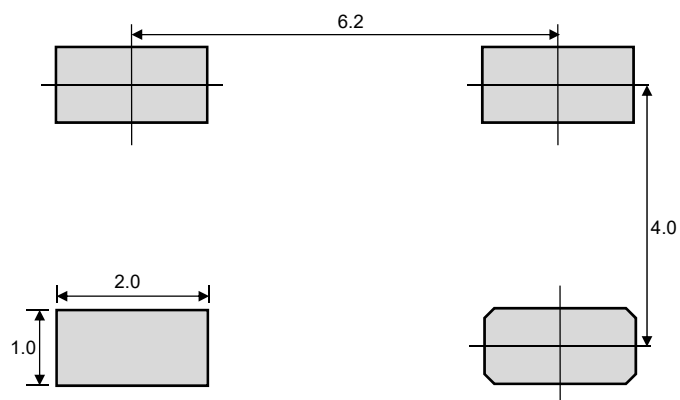


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

Product dimension (ABS/LBF)




Dim	Millimeters		Inches	
	Min	Max	Min	Max
A	1.30	1.50	0.051	0.059
C	0.15	0.22	0.006	0.009
D	4.90	5.20	0.193	0.205
E	4.20	4.50	0.165	0.177
H_E	6.00	6.40	0.236	0.252
d	3.80	4.20	0.150	0.165
e	0.50	0.70	0.020	0.028
L	0.95		0.037	
L_1	0.60		0.024	
a	0.20		0.008	
\angle	7°		7°	



Suggested PCB Layout

Unit:mm


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