



**2A SURFACE MOUNT GLASS PASSIVATED BRIDGERECTIFIER**

**FEATURES:**

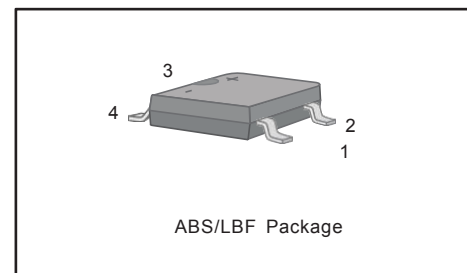
- Glass Passivated Chip Junction
- Reverse Voltage - 100 to 1000V
- Forward Current - 2A
- High Surge Current Capability
- Designed for Surface Mount Application

**MECHANICAL DATA**

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

**PINNING**

PIN	DESCRIPTION
1	Input Pin (~)
2	Input Pin (~)
3	Output Anode (+)
4	Output Cathode (-)



**Maximum Ratings and Electrical characteristics**

Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

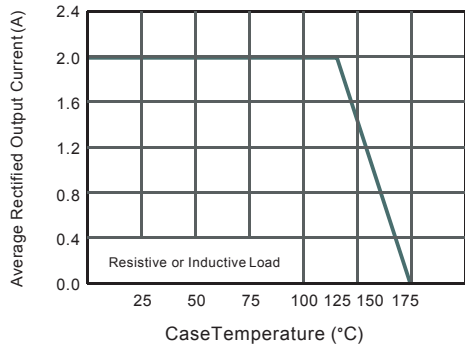
Parameter	Symbols	ABS201	ABS202	ABS204	ABS206	ABS208	ABS210	Units
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	100	200	400	600	800	1000	V
Maximum RMS voltage	$V_{RMS}$	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	$V_{DC}$	100	200	400	600	800	1000	V
Average Rectified Output Current at $T_c = 115^\circ C$	$I_o$	2.0						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	$I_{FSM}$	55						A
Forward Voltage per element @ $I_F = 2.0A$	$V_F$	1.0						V
Maximum DC Reverse Current at Rated DC Blocking Voltage @ $T_A = 25^\circ C$ @ $T_A = 125^\circ C$	$I_R$	5.0 100						$\mu A$
Typical Junction Capacitance (Note1)	$C_j$	25						pF
Typical Thermal Resistance (Note2)	$R_{\theta JA}$ $R_{\theta JC}$	60 16						$^\circ C/W$
Operating and Storage Temperature Range	$T_j, T_{stg}$	-55 ~ +150						$^\circ C$

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

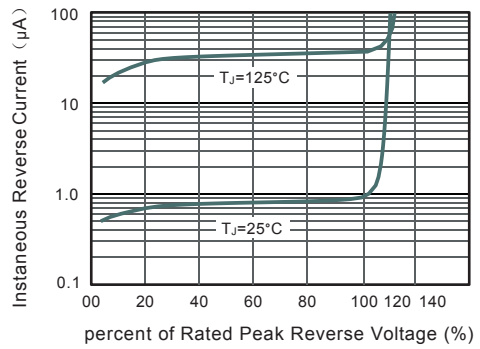
2. Mounted on glass epoxy PC board with 4x1.5"x1.5" (3.81x3.81 cm) copper pad.



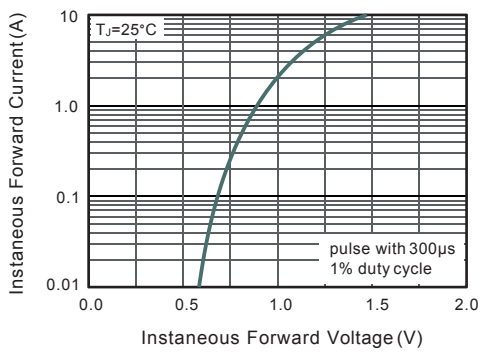
**Fig.1 Average Rectified Output Current Derating Curve**



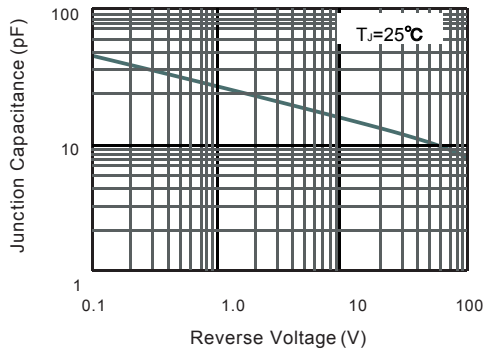
**Fig.2 Typical Reverse Characteristics**



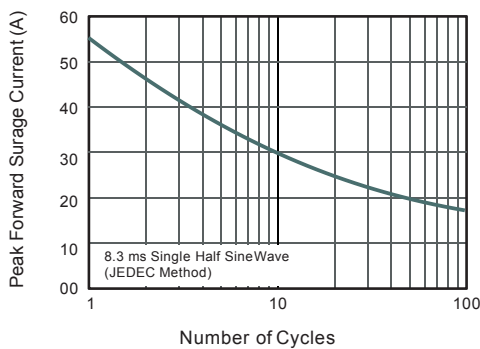
**Fig.3 Typical Instantaneous Forward Characteristics**



**Fig.4 Typical Junction Capacitance**



**Fig.5 Maximum Non-Repetitive Peak Forward Surge Current**

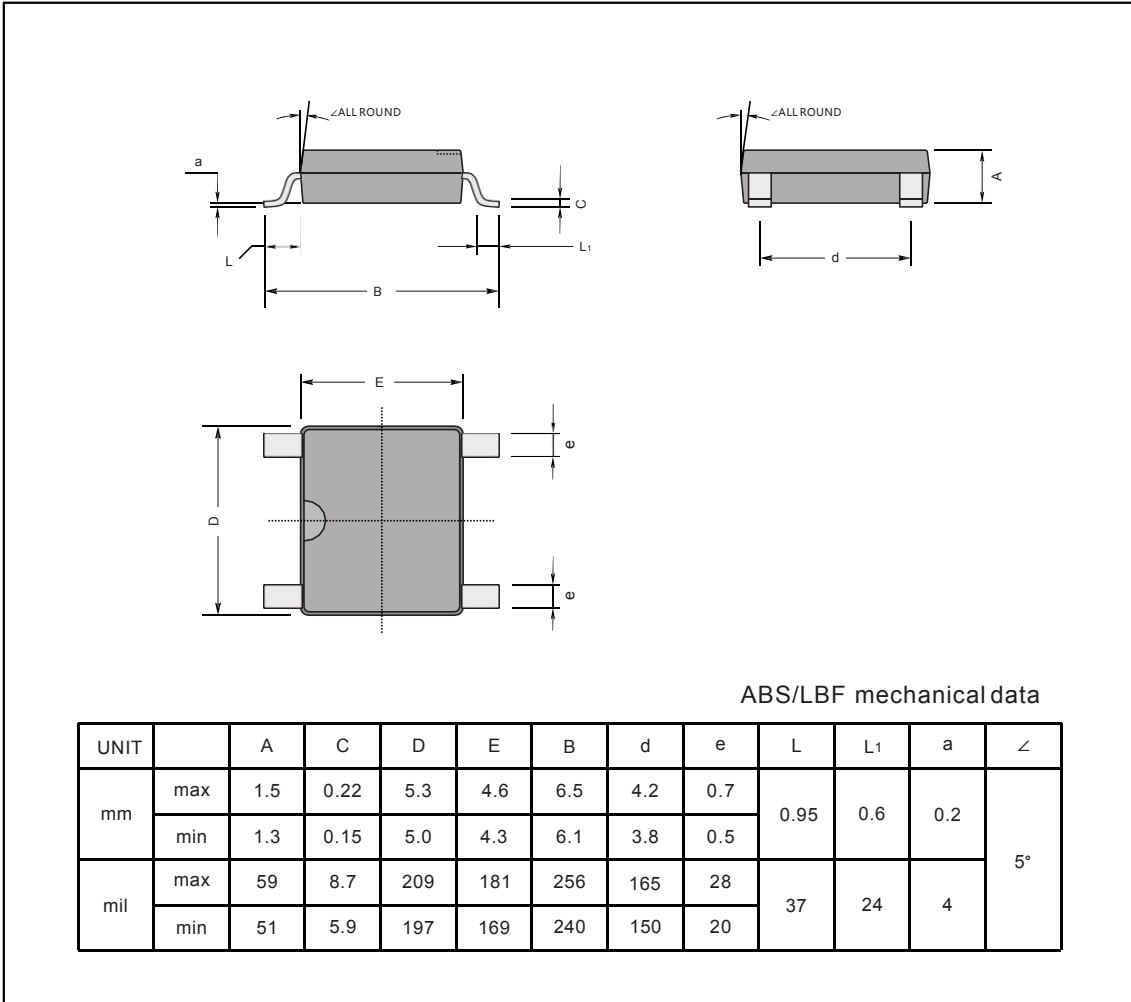




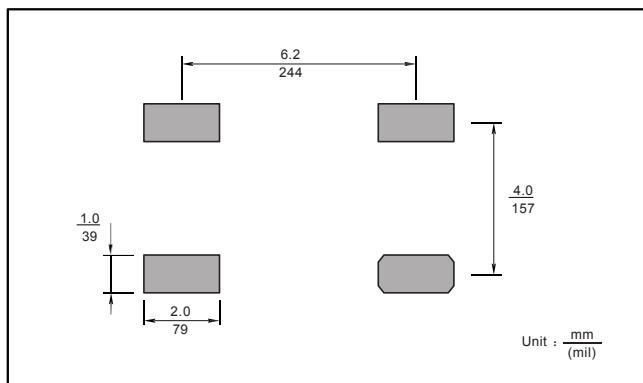
**PACKAGE OUTLINE**

**Plastic surface mounted package; 4 leads**

**ABS/LBF**



**The recommended mounting pad size**



**Marking**

Type number	Marking code
ABS201	ABS201
ABS202	ABS202
ABS204	ABS204
ABS206	ABS206
ABS208	ABS208
ABS210	ABS210

