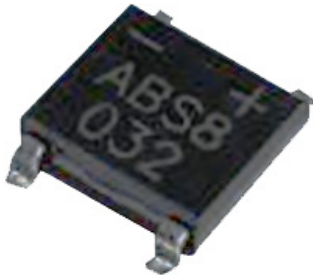


Bridge Rectifier ABS8



Features:

- Rating to 1,000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Lead tin plated copper

Mechanical Data

Polarity : Symbol molded on body
Mounting position : Any

Maximum Ratings And Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.
Single phase, half wave ,60Hz, resistive or inductive load.
For capacitive load, derate current by 20%

Characteristics	Symbol	ABS8	Unit
Max. Recurrent Peak Reverse Voltage	V_{RRM}	800	V
Max. RMS Voltage	V_{RMS}	560	V
Max. DC Blocking Voltage	V DC	800	V
Max. Average Forward Rectified Current (Note 1) @ $T_A = 40^\circ\text{C}$	$I_{(AV)}$	0.8	V
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	I_{FSM}	30	A
Peak Forward Voltage at 0.8A DC	V_F	1.1	A
Max. DC Reverse Current @ $T_J = 25^\circ\text{C}$ at Rated DC Blocking Voltage @ $T_J = 125^\circ\text{C}$	I_R	5 500	μA
Typical Thermal Resistance (Note2)	$R_{\theta JA}$	80	$^\circ\text{C/W}$
Operating Temperature Range	T_J	-55 to +150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to +150	$^\circ\text{C}$

Notes : 1. Mounted on P.C. board.
2. Thermal resistance junction to ambient.

Bridge Rectifier ABS8

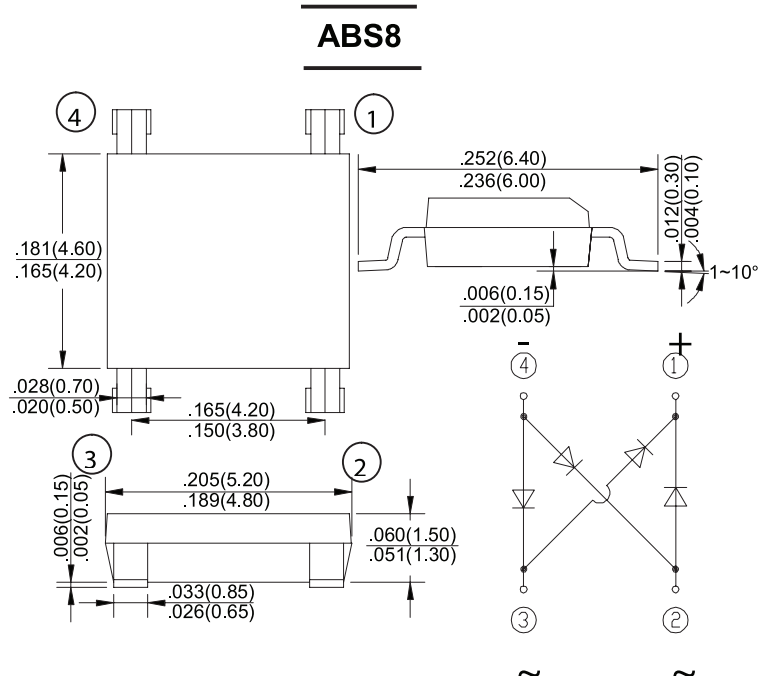


FIG.1-FORWARD CURRENT DERATING CURVE

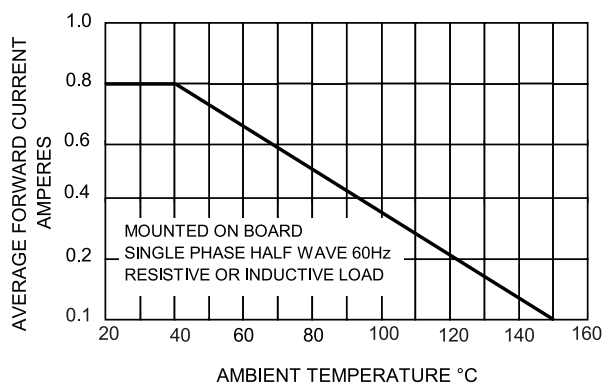
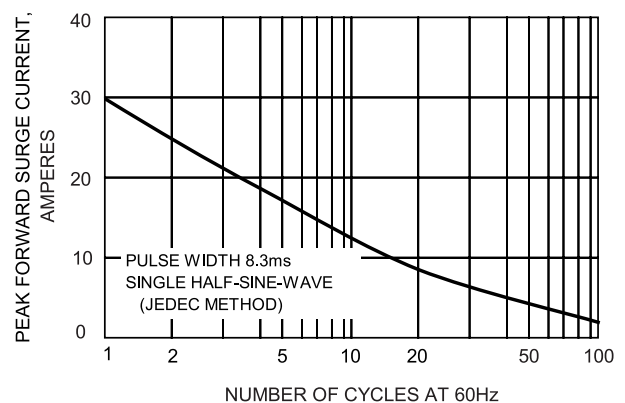


FIG.2 - MAXIMUM NON-REPETITIVE
SURGE CURRENT



Bridge Rectifier

ABS8



FIG.3-TYPICAL REVERSE CHARACTERISTICS

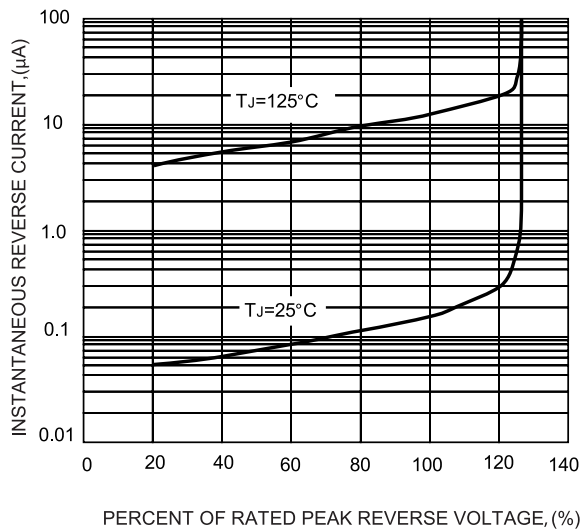
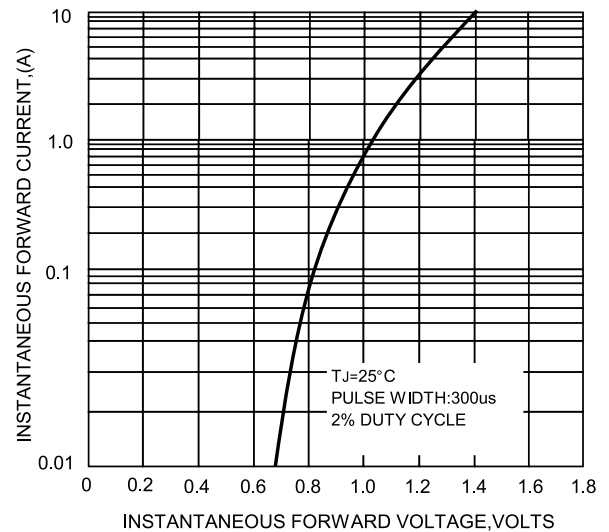


FIG.4-TYPICAL FORWARD CHARACTERISTICS



Part Number Table

Description	Part Number
Bridge Rectifier, Single Phase, 1A, 800V, ABS	ABS8

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