

ABS151 THRU ABS1510

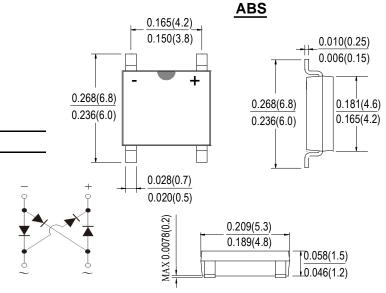
SINGLE PHASE 1.5AMP SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER

Features

- · Glass passivated die construction
- · Low forward voltage drop
- · High current capability
- · High surge current capability
- Designed for surface mount application
- Plastic material-UL flammability 94V-0

Mechanical Data

- Case: SOPA-4, molded plastic ABS
- Terminals: plated leads solderable per MIL-STD-202, Method 208
- · Polarity: as marked on case
- Mounting position: Any
- · Marking: type number



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Single Phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

TYPE NUMBER		SYMBOL	ABS151	ABS152	ABS154	ABS156	ABS158	ABS1510	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		VRRM	100	200	400	600	800	1000	V
		VRWM							
		VDC							
RMS Reverse Voltage		VRMS	70	140	280	420	560	700	V
Average Rectified Output Current (Note:1)@Tc =100 °C		IF(AV)	1.5						Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)		Ігѕм	50						А
l ² t Rating for Fusing (t < 8.3ms)		l ² t	10.375						A^2s
Forward Voltage per element @IF=0.75A @IF=1.5A		Vғм	0.95 1.0						٧
Peak Reverse Current @TJ=25°C At Rated DC Blocking Voltage @TJ=125°C		lR	5.0 100						uA
Typical Junction Capacitance (Note2)		СЈ			2	20			pF
Typical Thermal Resistance		RөJA	62.5						°C/W
		Rejl	25						
Operating and Storage Temperature Range		TJ,TsTG	-55to+150						$^{\circ}$

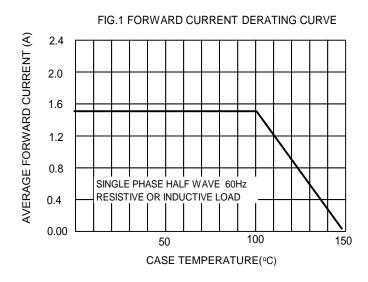
Note:1. Mounted on glass epoxy PC board with 1.3mm² solder pad.

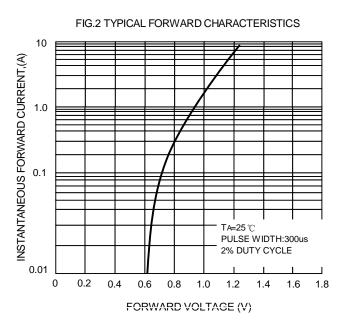
2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

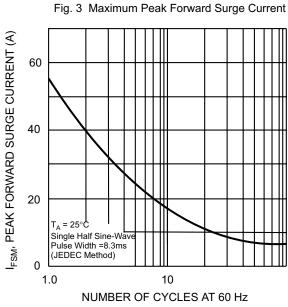
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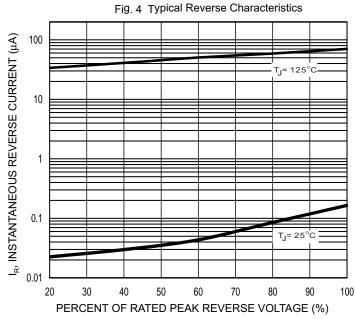


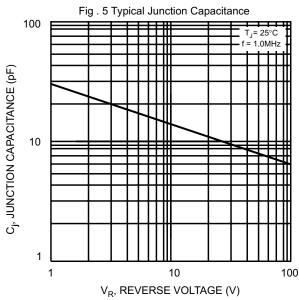
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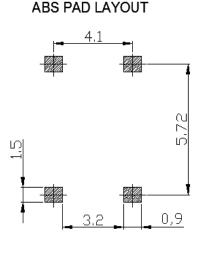














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