



## SURFACE MOUNT GLASS PASSIVATED BRIDEG RECTIFIERS

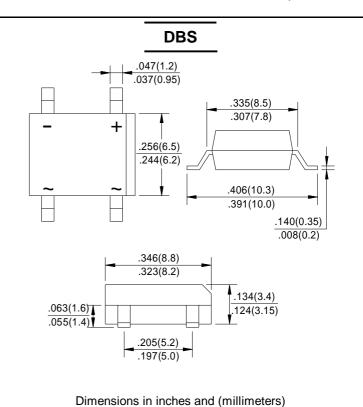
REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.5 Amperes

## **FEATURES**

- ●Rating to 1000V PRV
- ●Ideal for printed circuit board
- ●Low forward voltage drop,high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- ●Lead tin Pb/Sn copper
- The plastic material has UL flammability classification 94V-0

## **MECHANICAL DATA**

- Polarit:As marked on body
- ●Weight:0.02 ounces,0.38 gras
- Mounting position: Any



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

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

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CHARACTERISTICS	SYMBOL	DB151S	DB152S	DB153S	DB154S	DB155S	DB156S	DB157S	UNIT
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	٧
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @Ta=40°C	I(AV)	1.5							Α
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	50							А
Maximum Forward Voltage at 1.5A DC	VF	1.1							V
Maximum DC Reverse Current @TJ=25℃ at Rated DC Bolcking Voltage @TJ=125℃	lr	10 500							uA
I <sup>2</sup> t Rating for Fusing (t<8.3ms)	l <sup>2</sup> t	10.4							A <sup>2</sup> s
Typical Junction Capacitance Per Element (Note1)	Сл	25							pF
Typical Thermal Resistance (Note2)	Rеја	40							°C/W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}\!$
Storage Temperature Range	Тsтg	-55 to +150							$^{\circ}$

Note:1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC

2.Thermal resistance from junction to ambient mounted on P.C.B with 0.5\*0.5"(13\*13mm) copper pads.



