



## SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 2.0 Amperes

## **FEATURES**

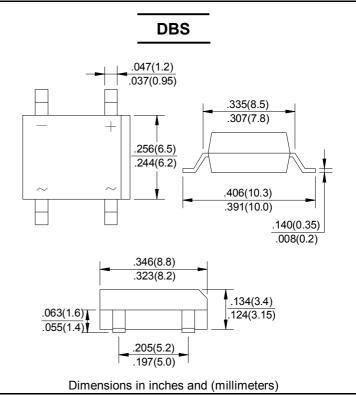
- ●Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has UL flammability classification 94V-0

## **MECHANICAL DATA**

Polarit: As marked on Body

●Weight: 0.02 ounces,0.38 grams

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.

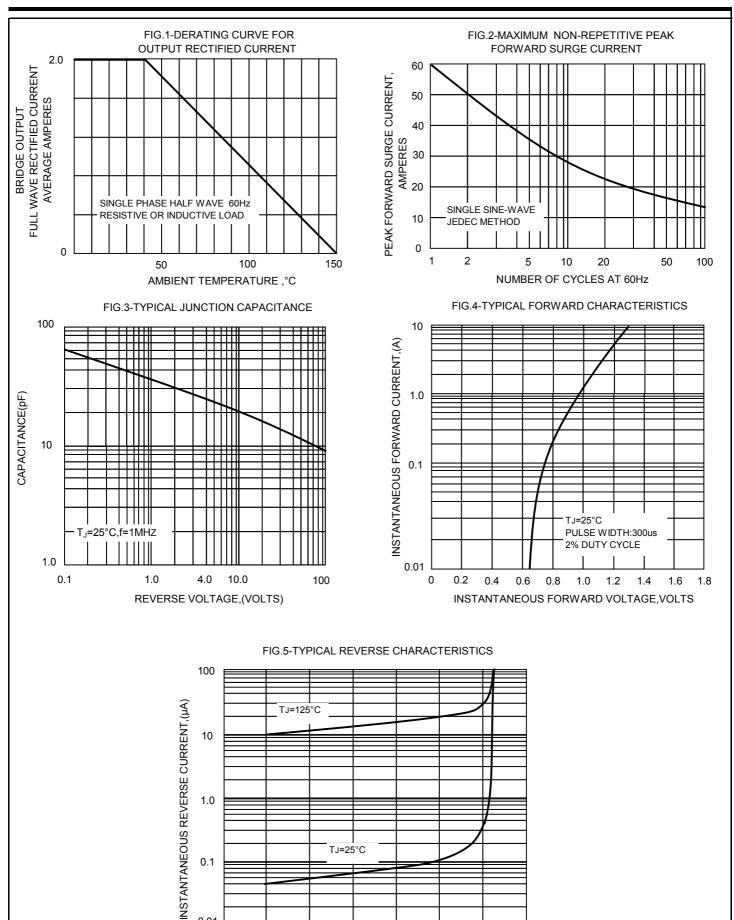
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CHARACTERISTICS	SYMBOL	DB201S	DB202S	DB203S	DB204S	DB205S	DB206S	DB207S	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward  Rectified Current @Ta=40°C	I(AV)	2.0							А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC .Method)	lғsм	60							A
Maximum Forward Voltage at 2.0A DC	VF	1.1							V
Maximum DC Reverse Current @TJ=25℃ at Rated DC Blocking Voltage @TJ=125℃	lR	10 500							μΑ
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)	Cı	25							pF
Typical Thermal Resistance (Note2)	Rеја	40							°C/W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}$ C
Storage Temperature Range	Tstg	-55 to +150							$^{\circ}\!\mathbb{C}$

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.





PERCENT OF RATED PEAK REVERSE VOLTAGE,(%)

0.01 L