DB151GS thru DB157GS

SURFACE MOUNT GLASS PASSIVATED BRIDEG RECTIFIERS

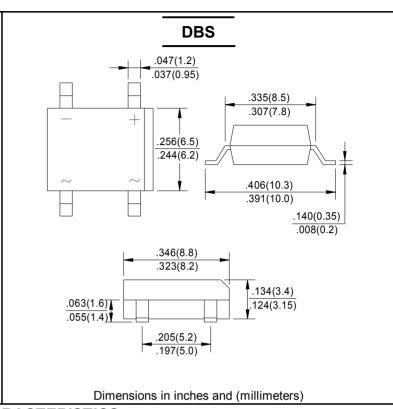
REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.5 Amperes

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°C ambient temperature unless otherwise specified.

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

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	DB151GS	DB152GS	DB153GS	DB154GS	DB155GS	DB156GS	DB157GS	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℃	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°C at Rated DC Bolcking Voltage @TJ=125°C	lR	10 500							uA
I ² t Rating for Fusing (t<8.3ms)	I ² t	10.4							A ² s
Typical Junction Capacitance Per Element (Note1)	Сл	25							pF
Typical Thermal Resistance (Note2)	RθJA	40							°C/W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}\! \mathbb{C}$
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.

RATING AND CHARACTERISTIC CURVES DB151GS thru DB157GS

