

DB151S thru DB157S

SURFACE MOUNT GLASS PASSIVATED BRIDEG RECTIFIERS

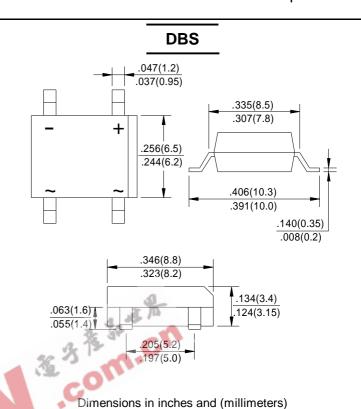
REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.5 Amperes

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.

For capacitive load, derate current by 20%

SYMBOL	DB151S	DB152S	DB153S	DB154S	DB155S	DB156S	DB157S	UNIT
VRRM	50	100	200	400	600	800	1000	V
VRMS	35	70	140	280	420	560	700	V
VDC	50	100	200	400	600	800	1000	V
I(AV)	1.5							Α
IFSM	50							А
VF	1.1							V
lR	10 500							uA
l ² t	10.4							A ² s
Сл	25							pF
RөJA	40							°C/W
TJ	-55 to +150							°C
Тѕтс	-55 to +150							$^{\circ}$
	VRRM VRMS VDC I(AV) IFSM VF IR I ² t CJ RØJA TJ	VRRM 50 VRMS 35 VDC 50 I(AV) IFSM VF IR I ² t CJ Reja TJ	VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV) IFSM VF IR I ² t CJ RØJA TJ	VRRM 50 100 200 VRMS 35 70 140 VDC 50 100 200 I(AV) IFSM VF IR I ² t CJ RØJA TJ	VRRM 50 100 200 400 VRMS 35 70 140 280 VDC 50 100 200 400 I(AV) 1.5 IFSM 50 VF 1.1 IR 500 I ² t 10.4 CJ 25 RØJA 40 TJ -55 to +150	VRRM 50 100 200 400 600 VRMS 35 70 140 280 420 VDC 50 100 200 400 600 I(AV) 1.5 IFSM 50 VF 1.1 IR 10 500 I²t 10.4 CJ 25 RØJA 40 TJ -55 to +150	VRRM 50 100 200 400 600 800 VRMS 35 70 140 280 420 560 VDC 50 100 200 400 600 800 I(AV) 1.5 IFSM 50 VF 1.1 IR 500 I ² t 10.4 CJ 25 RØJA 40 TJ -55 to +150	VRRM 50 100 200 400 600 800 1000 VRMS 35 70 140 280 420 560 700 VDC 50 100 200 400 600 800 1000 I(AV) 1.5 50 1.1 10 <

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.



