DB101S thru DB107S

SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS

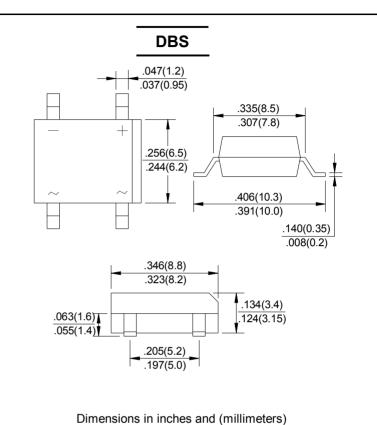
REVERSE VOLTAGE - **50** to **1000**Volts FORWARD CURRENT - **1.0** Amperes

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
- ●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 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.

For capacitive load, derate current by 20%

SYMBOL	DB101S	DB102S	DB103S	DB104S	DB105S	DB106S	DB107S	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)	1.0						Α	
IFSM	50							Α
VF	1.1						V	
lr	10 500							μΑ
I ² t	10.4						A^2s	
Сл	25							pF
Rejc	40							°C/W
TJ	-55 to +150							$^{\circ}\!\mathbb{C}$
Tstg	-55 to +150							°C
	VRRM VRMS VDC I(AV) IFSM VF IR I ² t CJ Rejc TJ	VRRM 50 VRMS 35 VDC 50 I(AV) IFSM VF IR I²t CJ ReJC TJ	VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV) IFSM VF IR I ² t CJ Rejc TJ	VRRM 50 100 200 VRMS 35 70 140 VDC 50 100 200 I(AV) IFSM VF IR I ² t CJ ReJC TJ	VRRM 50 100 200 400 VRMS 35 70 140 280 VDC 50 100 200 400 I(AV) 1.0 IFSM 50 VF 1.1 IR 500 I ² t 10.4 CJ 25 ReJC 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) 1.0 IFSM 50 VF 1.1 IR 500 I ² t 10.4 CJ 25 ReJC 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) 1.0 IFSM 50 VF 1.1 IR 500 I ² t 10.4 CJ 25 ReJC 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) 1.0 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.



