

DB101S thru DB107S

SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS

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

FEATURES

- ●Rating to 1000V PRV
- •Ideal for printed circuit board

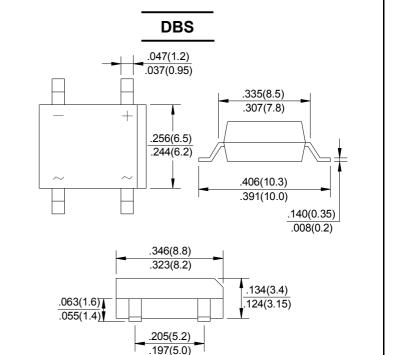
MECHANICAL DATA

Polarit:As marked on Body

Mounting position: Any

Weight:0.02 ounces,0.38 grams

- •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



Dimensions in inches and (millimeters)

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	DB101S	DB102S	DB103S	DB104S	DB105S	DB106S	DB107S	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)	1.0							А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	30							A
Maximum Forward Voltage at 1.0A DC	VF	1.1						V	
Maximum DC Reverse Current@TJ=25℃at Rated DC Bolcking Voltage@TJ=125℃	lR	10 500							μA
I ² t Rating for Fusing (t<8.3ms)	l ² t	10.4							A ² s
Typical Junction Capacitance Per Element (Note1)	CJ	25							pF
Typical Thermal Resistance (Note2)	Reja	40							°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	Tstg	-55 to +150							°C
Note:1 Measured at 1 0MHz and applied reverse voltage of 4									

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 DB101S thru DB107S

