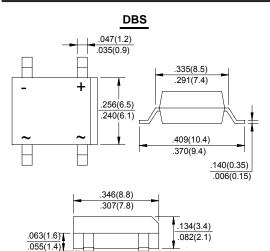
DB101S THRU DB107S

BRIDGE RECTIFIERS



Dimensions in inches and (milimeters)

.205(5.2)

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

Case: Molded plastic body
Polarity: As marked
Mounting position : Any

Weight: 0.02 ounces, 0.38 grams

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	Leno	1.0							Α
Rectified Current @Ta=40℃	I(AV)								
Peak Forward Surge Current									
8.3ms Single Half Sine-Wave	IFSM	IFSM 30							Α
Super Imposed on Rated Load (JEDEC Method)									
Maximum Forward Voltage at 1.0A DC	VF	1.1						V	
Maximum DC Reverse Current @TJ=25℃	l _R	10 500							μΑ
at Rated DC Bolcking Voltage	IK								
I ² t Rating for Fusing(t<8.3ms)	I ² t	10.4							A^2s
Typical Junction Capacitance Per Element(Note1)	Сı	25						pF	
Typical Thermal Resistance (Note2)	Reja	40						°C/W	
Operating Temperature Range	TJ	-55 to +150						$^{\circ}$	
Storage Temperature Range	Tstg	-55 to +150						$^{\circ}$	

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.



RATINGS AND CHARACTERISTIC CURVES DB101S THRU DB107S

