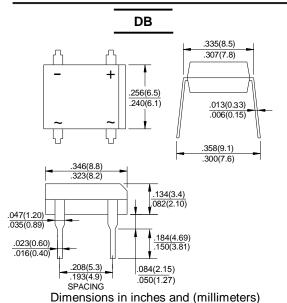
DB101 THRU DB107

SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS



FEATURES

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability
- Reliable low cost construction utilizing molded plast echnique results in inexpensive product
- The plastic material has UL flammability classification 94V-0

MECHANICAL DATA

Case: Molded plastic body

Terminals: Plated leads solderable per MIL-STD-750,

Method 2026

Polarity: Polarity symbols marked on case

Mounting Position: Any

Weight: 0.02 ounce, 0.38 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25* ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, For capacitive load derate current by 20%.

CHARACTERISTICS	SYMBOL	DB101	DB102	DB103	DB104	DB105	DB106	DB107	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	I(AV)	1.0							А
Rectified Current @Ta=40°C	I(AV)								
Peak Forward Surge Current									А
8.3ms Single Half Sine-Wave	IFSM	IFSM 30							
Super Imposed on Rated Load (JEDEC Method)								Ī	
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 @Tj=125°C	IK								
I ² t Rating for Fusing(t<8.3ms)	l ² t	10.4							A ² s
Typical Junction Capacitance Per Element(Note1)	Cı	25						pF	
Typical Thermal Resistance (Note2)	RθJA	40							°C/W
Operating Temperature Range	TJ	-55 to +150							℃
Storage Temperature Range	Тѕтс	-55 to +150							℃

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 DB101THRU DB107

