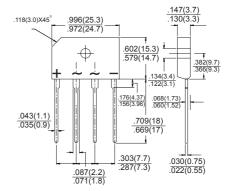






## **Features**

- UL Recognized File # E-96005
- Glass passivated junction
- Ideal for printed circuit board
- Reliable low cost construction
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Surge overload rating to 120 amperes peak
- High case dielectric strength of 2000V<sub>RMS</sub>
- High temperature soldering guaranteed: 260 °C / 10 seconds at 5 lbs. (2.3 Kg) tension



TS4B01G - TS4B07G

Glass Passivated Bridge Rectifiers TS4B

Single Phase 4.0 AMPS.

#### Dimensions in inches and (millimeters)

## **Mechanical Data**

 $\diamond$ Case: Molded plastic

 $\diamond$ Weight: 0. 15 ounce, 4 grams Mounting torque: 5 in. lbs. Max.

# **Maximum Ratings and Electrical Characteristics**

Rating at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%

Type Number	Symbol	TS4B 01G	TS4B 02G	TS4B 03G	TS4B 04G	TS4B 05G	TS4B 06G	TS4B 07G	Units
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current $@T_C = 115$ °C	I <sub>(AV)</sub>	4.0							Α
Peak Forward Surge Current, 8.3 ms Single Half Sne-wave Superimposed on Rated Load (JEDEC method)	I <sub>FSM</sub>	120							А
Rating for fusing (t<8.3ms)	l <sup>2</sup> t	60						A <sup>2</sup> sec	
Maximum Instantaneous Forward Voltage @ 2.0A @ 4.0A	V <sub>F</sub>				1.0 1.1				V
Maximum DC Reverse Current @ $T_A$ =25 °C at Rated DC Blocking Voltage @ $T_A$ =125 °C	I <sub>R</sub>				5.0 500				uA uA
Typical Thermal Resistance (Note)	$R_{\theta JC}$	5.5						°C/W	
Operating Temperature Range	TJ	-55 to +150						°C	
Storage Temperature Range	T <sub>STG</sub>	-55 to + 150						°C	

 $\mathsf{T}_{\mathsf{STG}}$ Note: Thermal Resistance from Junction to Case with Device Mounted on 2" x 3" x 0.25" Al-Plate Heatsink.



### RATINGS AND CHARACTERISTIC CURVES (TS4B01G THRU TS4B07G)

