



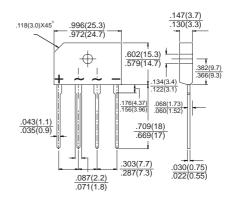


Features

- ♦ 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 150 amperes peak
- ♦ High case dielectric strength of 2000V_{RMS}
- Isolated voltage from case to lead over 2500 volts.
- High temperature soldering guaranteed: 260°C / 10 seconds / 0.375"(9.5mm) lead length at 5 lbs (2.3Kg) tension



Single Phase 10.0 Amps. Glass Passivated Bridge Rectifiers TS4B



Dimensions in inches and (millimeters)

Mechanical Data

- Case: Molded plastic
- Terminals: Leads solderable per MIL-STD-750 Method 2026
- ♦ 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	TS10B 01G	TS10B 02G	TS10B 03G	TS10B 04G	TS10B 05G	TS10B 06G	TS10B 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 See Fig. 2	I _(AV)				10				Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	200							Α
Maximum Instantaneous Forward Voltage @ 5.0A @ 10A	V_{F}	1.0 1.1							V
Maximum DC Reverse Current @ T _A =25 °C at Rated DC Blocking Voltage @ T _A =125 °C	I _R	5.0 500							uA uA
Typical Thermal Resistance (Note)	$R_{\theta JC}$	1.4							°C/W
Operating Temperature Range	TJ			-5	5 to +1	50			°C
Storage Temperature Range	T_{STG}	-55 to + 150						°C	

Note: Thermal Resistance from Junction to Case with Device Mounted on 75mm x 75mm x 1.6mm Cu Plate Heatsink.



RATINGS AND CHARACTERISTIC CURVES (TS10B01G THRU TS10B07G)

