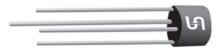
TSC 9b

2W005M THRU **2W10M**

Single Phase 2.0 AMPS. Silicon Bridge Rectifiers



Voltage Range 50 to 1000 Volts Current 2.0 Amperes

Features

- ♦ UL Recognized File # E-96005
- Surge overload ratings to 50 amperes peak
- ♦ Ideal for printed circuit board
- Reliable low cost construction technique results in inexpensive product
- → High temperature soldering guaranteed: 260°C / 10 seconds / 0.375" (9.5mm) lead length at 5 lbs., (2.3 kg) tension

Mechanical Data

♦ Case: Molded plastic
 ♦ Lead: Solder plated
 ♦ Polarity: As marked
 ♦ Weight: 1.10 grams



Dimensions in inches and (millimeters)

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	2W 005M	2W 01M	2W 02M	2W 04M	2W 06M	2W 08M	2W 10M	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 $@T_A = 50^{\circ}C$	I _(AV)				2.0				Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	50							Α
Maximum Instantaneous Forward Voltage @ 2.0A	V _F	1.1							V
Maximum DC Reverse Current @ T_A =25 $^{\circ}$ C at Rated DC Blocking Voltage @ T_A =100 $^{\circ}$ C	I _R	10 500							uA uA
Typical Thermal Resistance (Note)	$R heta_{JA} \ R heta_{JL}$	40 15							c /%
Operating Temperature Range	TJ	-55 to +125							Ç
Storage Temperature Range	T _{STG}	-55 to +150							Ç

Note: Thermal Resistance from Junction to Ambient and from Junction to Lead at 0.375" (9.5mm) Lead Length for P.C.B. Mounting.



RATINGS AND CHARACTERISTIC CURVES (2W005M THRU 2W10M)

