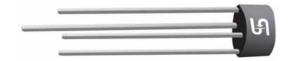


W005 - W10



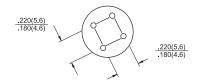
Single Phase 1.5 AMPS. Silicon Bridge Rectifiers **RB-15**



Features

- ♦ UL Recognized File # E-96005
- Surge overload ratings to 40 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

.358(9.1) DIA .339(8.6) DIA .157(4.0) .142(3.6) 1.2(30.5) MIN 1.0(25.4) MIN POS.LEAD



Mechanical Data

♦ Case: Molded plastic
 ♦ Lead: solder plated
 ♦ Polarity: As marked
 ♦ Weight: 1.07 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	W005	W01	W02	W04	W06	W08	W10	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)	1.5							Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	40							Α
Maximum Instantaneous Forward Voltage @ 1.5A	V _F	1.0							V
Maximum DC Reverse Current @ T_A =25 °C at Rated DC Blocking Voltage @ T_A =125 °C	I _R	10 500							uA uA
Typical Thermal Resistance (Note)	R _{θJA} R _{θJL}	36 13							°C/W
Operating Temperature Range	T_J	-55 to +125							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

Note: Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted on P.C.B. With 0.4" x 0.4" (10mm x 10mm) Copper Pads.

Version: A06



RATINGS AND CHARACTERISTIC CURVES (W005 THRU W10)

