

W005 THRU W10	
Single Phase 1.5 AMPS. Silicon Bridge Rectifiers	
<p>Features</p> <ul style="list-style-type: none"> UL Recognized File # E-96005 Surge overload ratings to 30 amperes peak Ideal for printed circuit board Reliable low cost construction technique results in inexpensive product High temperature soldering guaranteed: 250°C / 10 seconds / 0.375" (9.5mm) lead length at 5 lbs., (2.3 kg) tension 	<p style="text-align: center;">Voltage Range 50 to 1000 Volts Current 1.5 Amperes</p> <p style="text-align: center;">RB-15</p> <p style="text-align: center;">Dimensions in inches and (millimeters)</p>
<p>Mechanical Data</p> <ul style="list-style-type: none"> Case: Molded plastic Lead: solder plated Polarity: As marked Weight: 1.07 grams 	

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%

Symbols	W005	W01	W02	W04	W06	W08	W10	Units
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ T _A = 50°C	1.5							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	40							A
Maximum Instantaneous Forward Voltage @ 1.0A	1.0							V
Maximum DC Reverse Current @ T _A =25°C at Rated DC Blocking Voltage @ T _A =100°C	10 500							uA uA
Operating Temperature Range T _J	-55 to +125							°C
Storage Temperature Range T _{STG}	-55 to +150							°C

RATINGS AND CHARACTERISTIC CURVES (W005 THRU W10)

FIG.1- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT

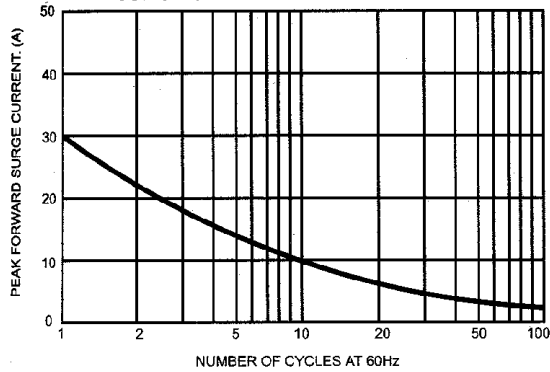


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

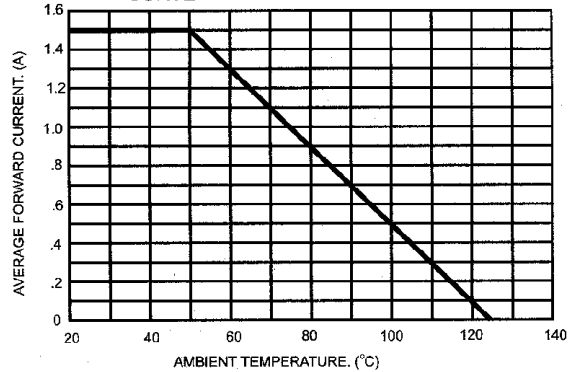


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

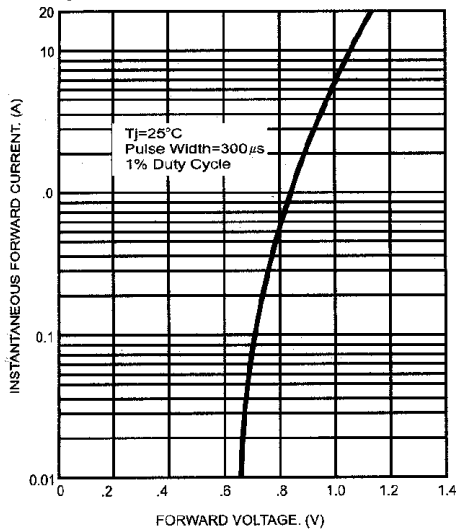


FIG.5- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

