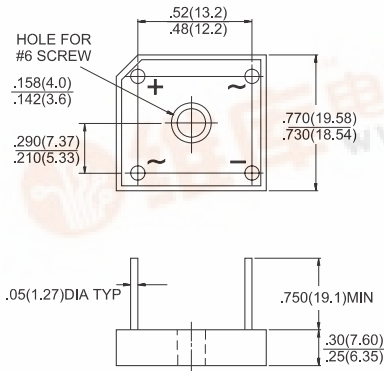


	SB801 THRU SB807 Single Phase 8.0 AMPS. Silicon Bridge Rectifiers									
					Voltage Range 50 to 1000 Volts Current 8.0 Amperes					
Features ✧ UL Recognized File # E-96005 ✧ Surge overload rating 250 amperes peak ✧ Low forward voltage drop ✧ High temperature soldering guaranteed: 260°C / 10 seconds / 0.375" (9.5mm) lead length at 5 lbs., (2.3 kg) tension ✧ Small size, simple installation ✧ Leads solderable per MIL-STD-202 Method 208					SB-10  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	SB 801	SB 802	SB 803	SB 804	SB 805	SB 806	SB 807	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°C	I _(AV)	8.0							A	
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	250							A	
Maximum Instantaneous Forward Voltage @ 4.0A	V _F	1.0							V	
Maximum DC Reverse Current @ T _A =25°C at Rated DC Blocking Voltage @ T _A =100°C	I _R	10 500							μA μA	
Typical Thermal Resistance (Note)	R _{θJC}	6							°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 Case.

RATINGS AND CHARACTERISTIC CURVES (SB801 THRU SB807)

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

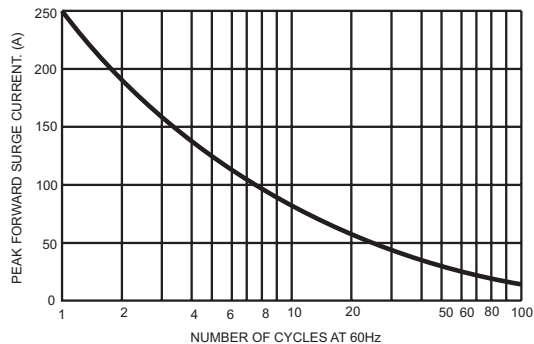


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

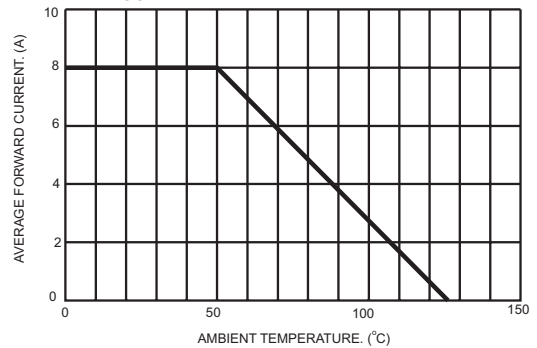


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

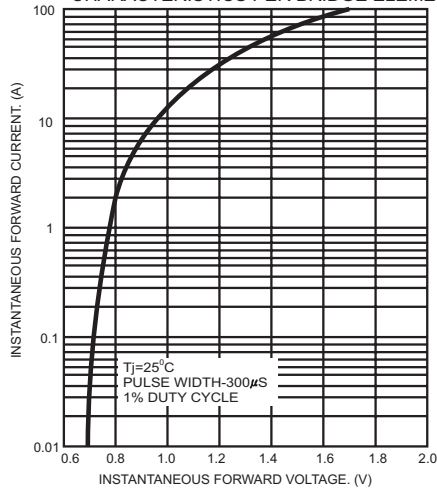


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

