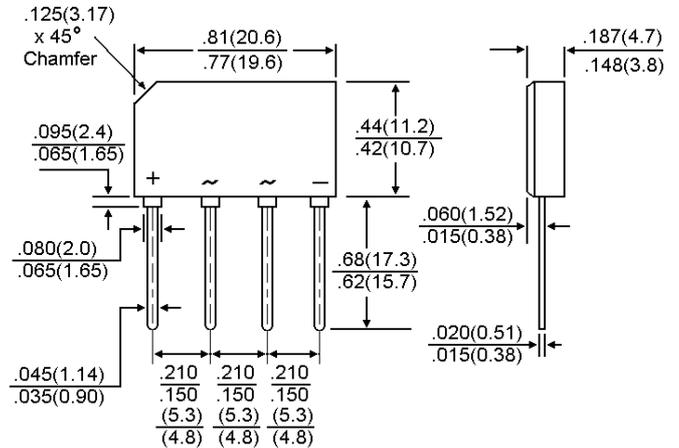


SILICON BRIDGE RECTIFIER
VOLTAGE RANGE 50 to 1000 Volts
CURRENT 4.0 Ampere

FEATURES

- * Low Forward Voltage Drop
- * High Current Capability
- * High Reliability
- * High Surge Current Capability

Unit: inch(mm)



MECHANICAL DATA

- * Case: Molded Plastic
- * Epoxy: UL94V-O rate flame retardant
- * Terminals : Plated Leads Solderable
Per MIL-STD-202 Method 208
- * Polarity : As Marking on Body
- * Mounting Position: Any
- * Marking: Type Number

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- * Rating at 25 ambient temperature unless otherwise specified
- * Single phase, half wave, 60Hz, resistive or inductive load.
- * For capacitive load derate current by 20 %

Characteristic	Symbol	GBL005	GBL01	GBL02	GBL04	GBL06	GBL08	GBL10	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_R	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	$V_{R(RMS)}$	35	70	140	280	420	560	700	V
Average Rectifier Forward Current (Note 1) @ $T_A=50$	$I_{O(AV)}$	4.0							A
Non-Repetitive Peak Surge Current 8.3 ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	150							A
Forward Voltage (per element) ($I_F=4.0$ Amp)	V_{FM}	1.0							V
Peak Reverse Current (Rated DC Voltage, $T_C = 25$) (Rated DC Voltage, $T_C = 150$)	I_R	10 1.0							uA mA
Operating and Storage Temperature Range	T_J, T_{stg}	-55 to +150							

Note: 1 Mounting condition, 0.5" lead length maximum

GBL005 Thru GBL10

FIG-1 FORWARD CURRENT DERATING CURVE

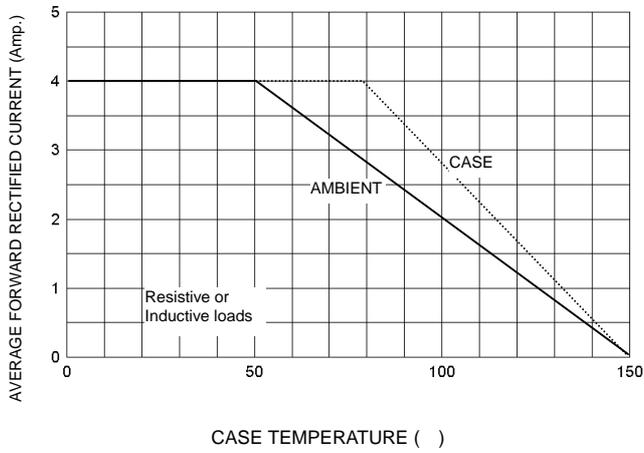


FIG-2 TYPICAL FORWARD CHARACTERISTICS

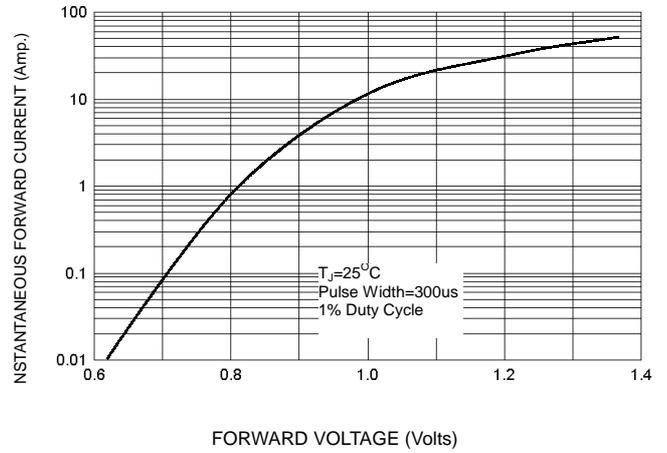


FIG-3 PEAK FORWARD SURGE CURRENT

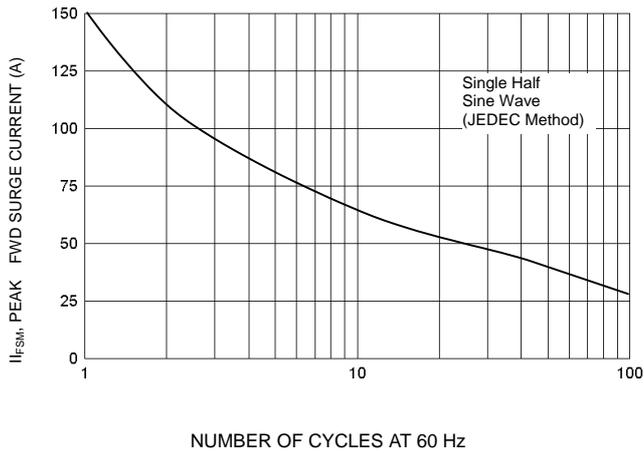
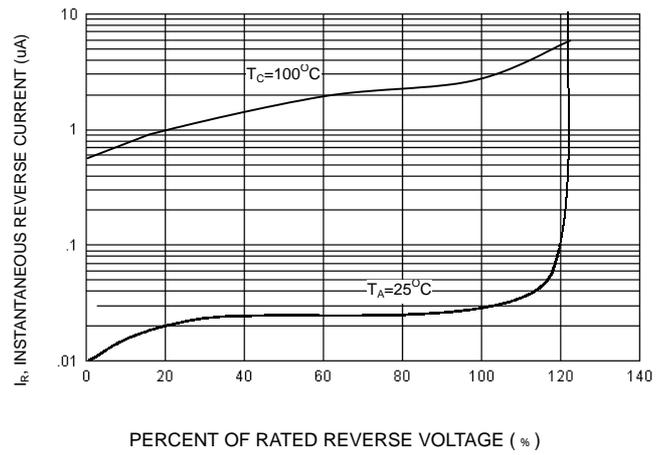


FIG-4 TYPICAL REVERSE CHARACTERISTICS



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