

VOLTAGE RANGE: 50 - 1000V

CURRENT: 1.5 A

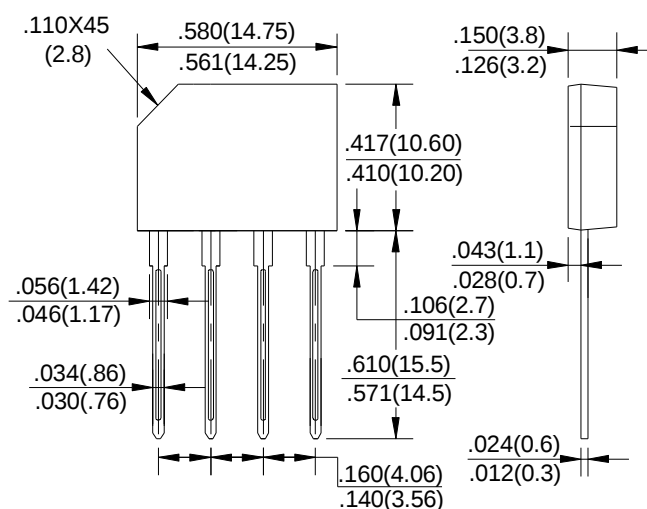
Features

- Surge overload rating -50amperes peak
- Ideal for printed circuit board
- Plastic material has underwriters laboratory
- flammability classification 94V-0
- Mounting position: Any

Mechanical Data

- Case: G B P , Molded Plastic

GBP



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics T_A = 25°C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	GBP005	GBP01	GBP02	GBP04	GBP06	GBP08	GBP10	Unit
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V _{RMS}	30	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 Output Current @ T _A =50°C	I _(AV)	1.5							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	50							A
Maximum Forward Voltage Drop Per Bridge Element at 1.5A Peak	V _F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	I _R	10.0							uA
Maximum Reverse Current at Rated DC Blocking Voltage Per Element T _A =100°C	I _R	1.0							mA
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

FIG.1-FORWARD CURRENT DERATING CURVE

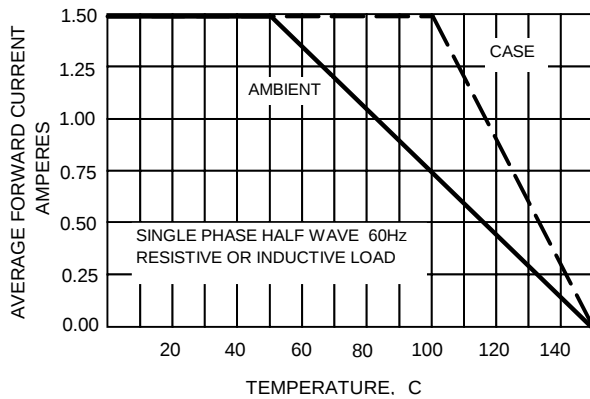


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

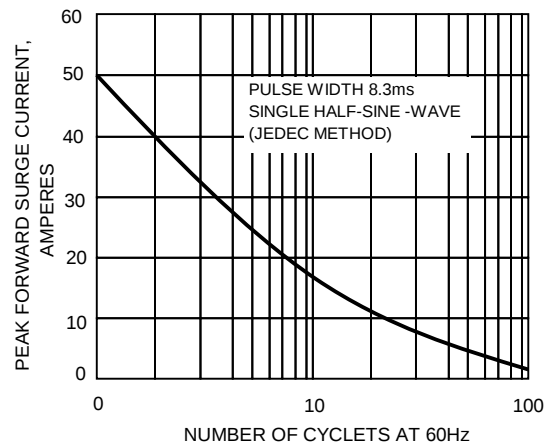


FIG.3-TYPICAL JUNCTION CAPACITANCE

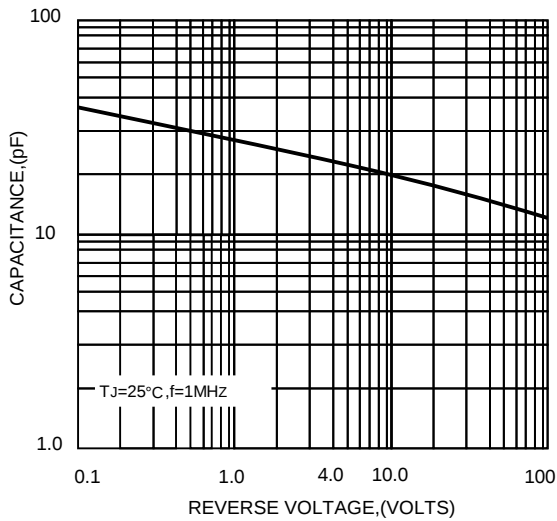


FIG.4-TYPICAL FORWARD CHARACTERISTICS

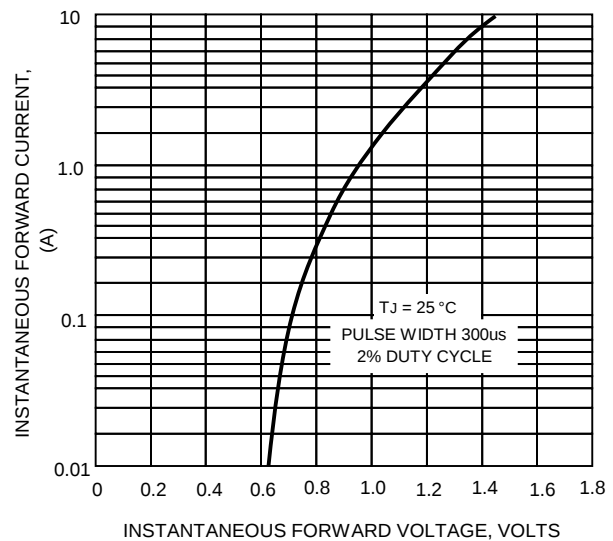


FIG.5-TYPICAL REVERSE CHARACTERISTICS

