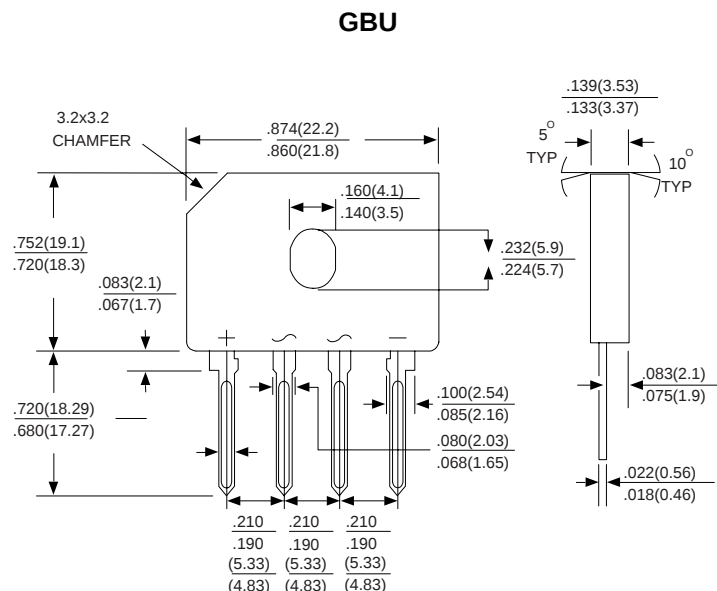


RoHS Compliant Product
A suffix of "-C" specifies halogen-free.

FEATURES

- * Ideal For Printed Circuit Board
- * Surge Overload Rating -150 Amp Peak
- * Reliable Low Cost Construction Utilizing Molded Plastic Technique
- * Plastic Material Has U/L Flammability Classification 94V-0
- * Mounting Position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.
Resistive or inductive load, 60Hz,
For capacitive load, derate current by 20%.

TYPE NUMBER	SYMBOL	GBU4A	GBU4B	GBU4D	GBU4G	GBU4J	GBU4K	GBU4M	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS 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 Current @ $T_C=100^\circ\text{C}$ (with heatsink Note2) (without heatsink)	$I_{(AV)}$	4.0 2.4							A
Peak Forward Surge Current, 8.3 ms single half Sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	150							A
Maximum Forward Voltage at 2.0A	V_F	1.1							V
Maximum DC Reverse Current $T_a=25^\circ\text{C}$ at Rated DC Blocking Voltage $T_a=125^\circ\text{C}$	I_R	10.0 500							μA
I^2t Rating for fusing ($t < 8.3\text{ms}$)	I^2t	93							A^2S
Typical Junction Capacitance per element (Note1)	C_J	45							pF
Typical Thermal Resistance (Note 2)	$R_{\theta JC}$	2.2							$^\circ\text{C} / \text{W}$
Operating Temperature Range	T_J	- 55 ~ + 150							$^\circ\text{C}$
Storage Temperature Range	T_{STG}	- 55 ~ + 150							$^\circ\text{C}$

NOTES:

1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.
2. Device mounted on 50mm x 50mm x 1.6mm Cu Plate Heatsink.

● **RATING AND CHARACTERISTIC CURVES**

FIG.1-FORWARD CURRENT DERATING CURVE

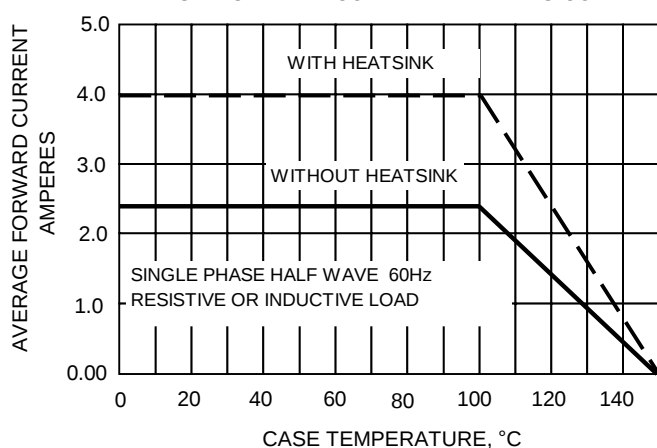


FIG.3-TYPICAL JUNCTION CAPACITANCE

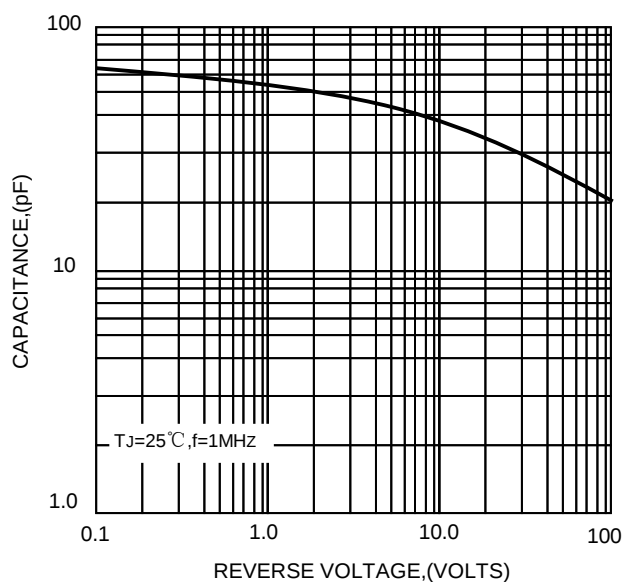


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

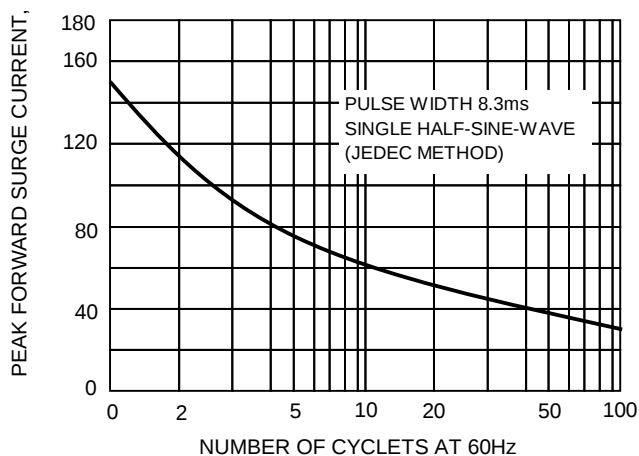


FIG.4-TYPICAL FORWARD CHARACTERISTICS

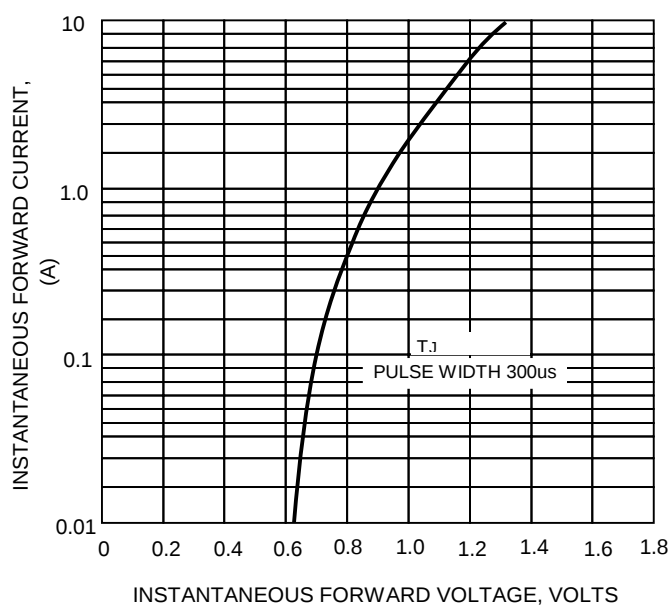


FIG.5-TYPICAL REVERSE CHARACTERISTICS

