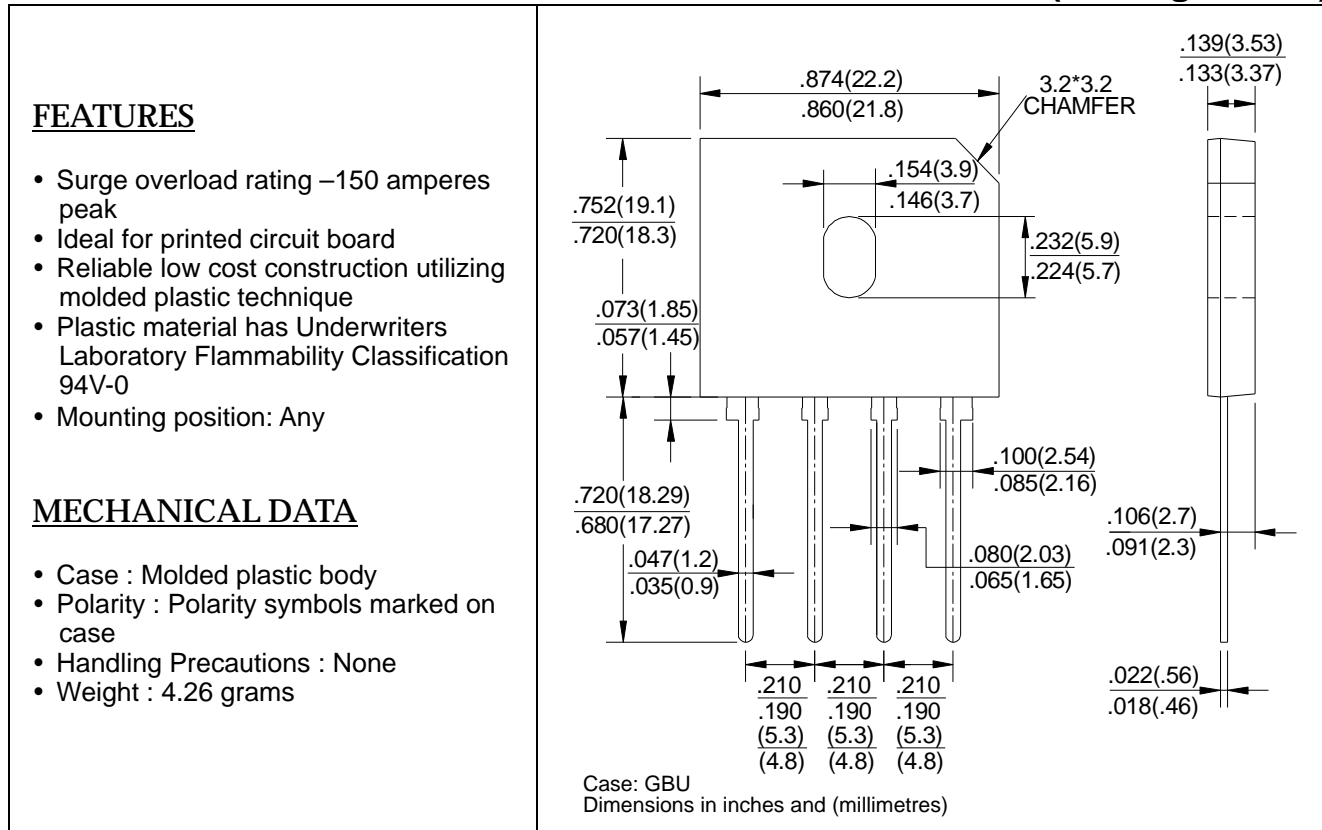


VI. Bridge Rectifier

4.0A Glass Passivated Bridge Rectifier GBU4A~GBU4M

(Package: GBU)



Ratings & Electrical Characteristics

Characteristics	Symbol	GBU 4A	GBU 4B	GBU 4D	GBU 4G	GBU 4J	GBU 4K	GBU 4M	Units
Maximum recurrent peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current (with heatsink, Note 2) (without heatsink) @ $T_c = 100$	I_o				4.0				Amps
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}				150				Amps
Maximum forward voltage at 4.0A DC	V_F				1.1				Volts
Maximum DC reverse current @ $T_j=25$ at rated DC blocking voltage @ $T_j=125$	I_R				10.0				μA
I^2t Rating for Fusing ($t < 8.3ms$)	I^2t				93				A^2s
Typical junction capacitance per element (Note 1)	C_j				45				PF
Typical thermal resistance (Note 2)	R_{th-JC}				2.2				/ W
Operating temperature range	T_j				-55 to +150				
Storage temperature range	T_{stg}				-55 to +150				

Notes:

1. Measured at 1.0MHz and applied reverse voltage of 4.0 Volts D.C.
2. Device mounted on 50mm* 50mm* 1.6mm Cu plate heatsink

Ratings and Characteristic Curves of GBU4A~GBU4M

