

EGBU1006

FAST RECOVERY GLASS PASSIVATED BRIDGE RECTIFIER Reverse Voltage:600Volts Forward Current:10.0 Amps

FEATURES

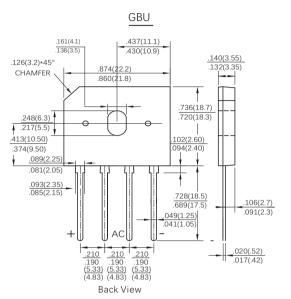
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- · High current capability,Low forward voltage drop
- Soft recovery improves EMC performance
- · High temperature soldering guaranteed:260°C/10 seconds at terminals
- Component in accordance to RoHS 2015/863/EU

MECHANICAL DATA

- · Case: GBU molded plastic body
- Terminals: Plated leads solderable per MIL-STD-750,method 2026
- Mounting Position: Any

TYPICAL APPLICATIONS

Used in AC/DC bridge full wave rectification for SMPS, lighting ballaster, adapter, charger, home appliances, office equipment, and telecommunication applications.



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating at 25° C ambient temperature unless otherwise specified. Single phase ,half wave , resistive or inductive load. For capacitive load,derate current by 20%.)

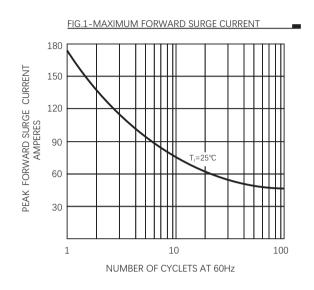
Parameters		Symbol	EGBU1006	Units
Maximum Reverse Peak Reverse Voltage		V _{RRM}	600	Volts
Maximum RMS Voltage		V _{RMS}	420	Volts
Maximum DC Blocking Voltage		V _{DC}	600	Volts
Maximum Average Forward Rectified Current, (See Fig 2)		I _{F(AV)}	10.0	Amps
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load		I _{FSM}	175	Amps
Rating for Fusing (t =8.3ms)		l²t	127	A ² S
Maximum Instantaneous Forward Voltage at 5.0A DC		V _F	1.70	Volts
Maximum DC Reverse Current at rated DC blocking voltage	T₄=25℃	1	5	μΑ
	T _A =125℃	R	100	μΑ
Typical Junction Capacitance (Note 1)		C,	55	pF
Typical thermal resistance Junction-Ambient (Note 2) Junction-Case		R _{əja} R _{əjc}	25 2.0	°C/W
Maximum reverse recovery time(Note3)		trr	35	ns
Operating junction and storage temperature range		T J T STG	-55 to +150	°C

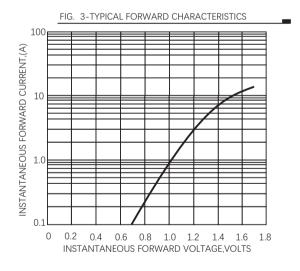
NOTE: 1.Measured at 1MHz and applied reverse voltage of 4.0 Volts.

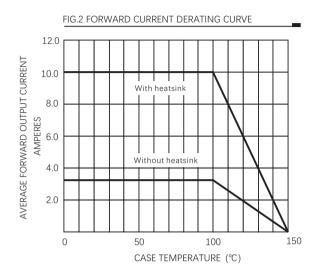
2 Unit mounted on 50mm x 50mm x 1.6mm copper plate heatsink 3.Test conditions: $I_c=0.5A$, $I_{a=}=1.0A$, $I_{a=}=0.25A$.



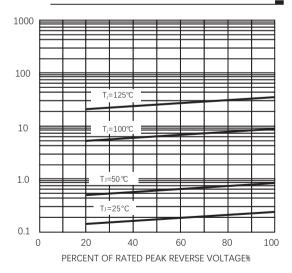
RATINGS AND CHARACTERISTIC CURVES EGBU1006











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