

GL8-E

**SINGLE PHASE GLASS PASSIVATED
SURFACE MOUNT FLAT BRIDGE RECTIFIER**
VOLTAGE: 800V CURRENT: 0.8A

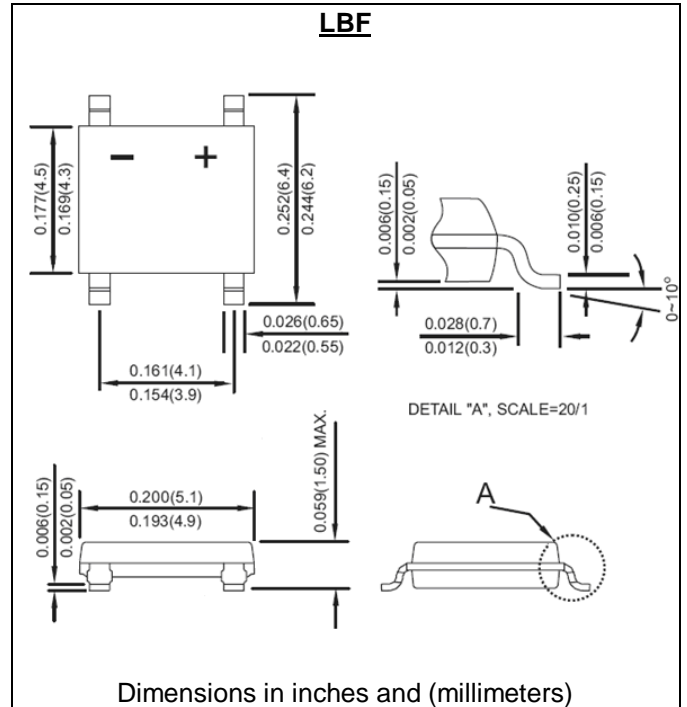


FEATURE

Ideal for printed circuit board
Glass passivated chip
Reliable low cost construction utilizing molded plastic technique
High surge current capability
Small size, simple installation
High temperature soldering guaranteed: 260°C/10 seconds
Halogen Free

MECHANICAL DATA

Terminal: Plated leads solderable per J-STD-002
Case: UL-94 Class V-0 recognized Halogen Free Epoxy
Polarity: Polarity symbol marked on body



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

	Symbol	GL8-E	units
Maximum Recurrent Peak Reverse Voltage	V _{rrm}	800	V
Maximum RMS Voltage	V _{rms}	560	V
Maximum DC blocking Voltage	V _{dc}	800	V
Maximum Average Forward Rectified Current on glass-epoxy P.C.B.	I _{f(av)}	0.8	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	30	A
Maximum Instantaneous Forward Voltage at forward current 0.4A	V _f	0.95	V
Maximum DC Reverse Current at rated DC blocking voltage	I _r	5.0 100.0	μA
Typical Thermal resistance junction to lead on glass-epoxy P.C.B.	R _{th(jl)} R _{th(ja)}	25 80	°C /W
Storage and Operating Junction Temperature Range	T _{stg} , T _j	-55 to +150	°C
Note:			

RATINGS AND CHARACTERISTIC CURVES GL8-E

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

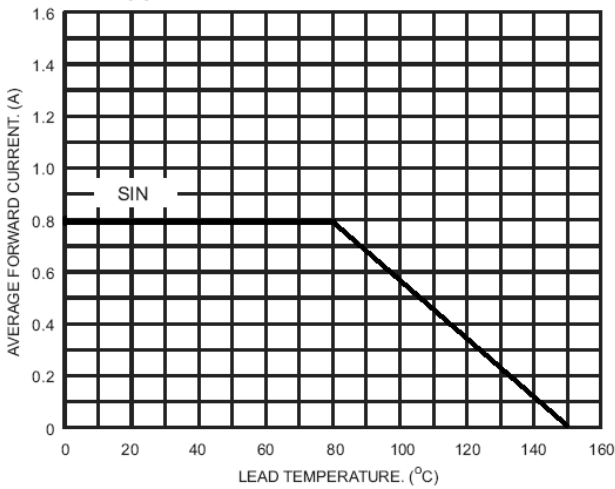


FIG.2- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

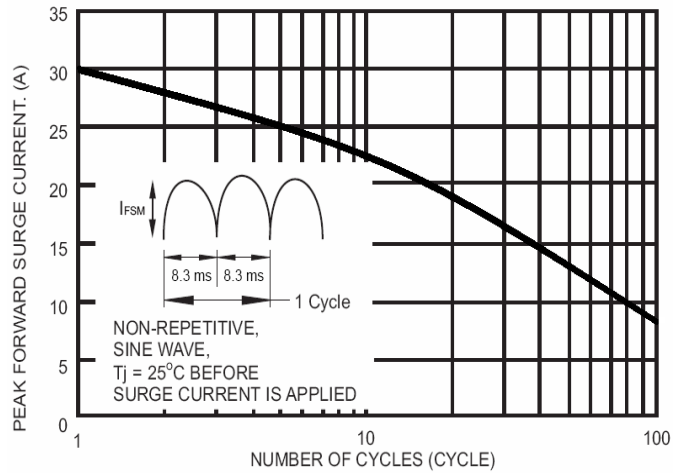


FIG.3- TYPICAL FORWARD CHARACTERISTICS

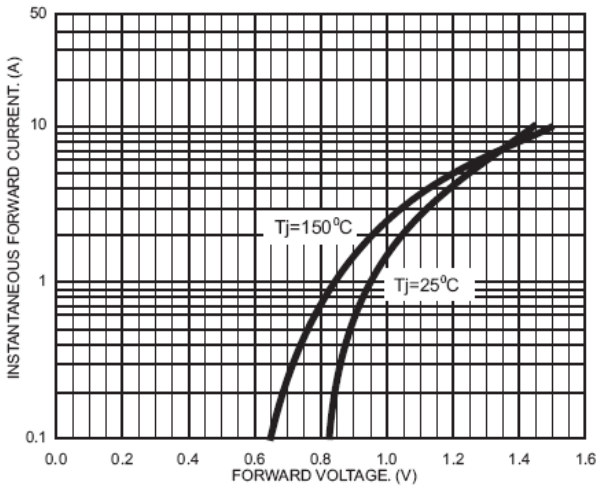


FIG.4- TYPICAL REVERSE CHARACTERISTICS

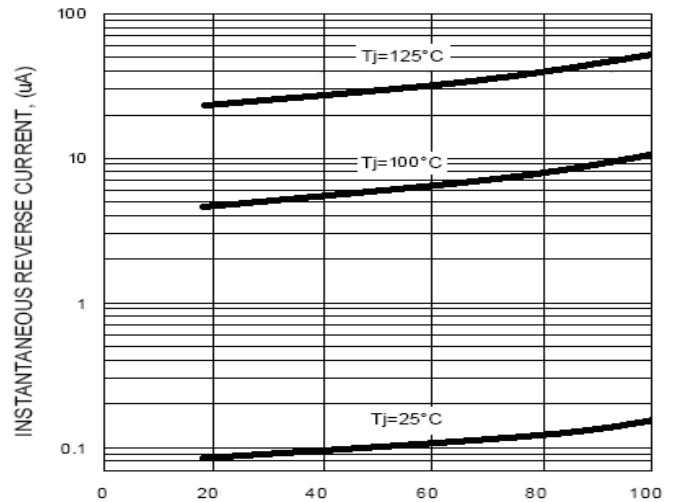


FIG.5- FORWARD POWER DISSIPATION

