

GB6SA THRU GB8SA

**SINGLE PHASE GLASS PASSIVATED
SURFACE MOUNT FLAT BRIDGE RECTIFIER**
VOLTAGE: 600V to 800V CURRENT: 0.8A

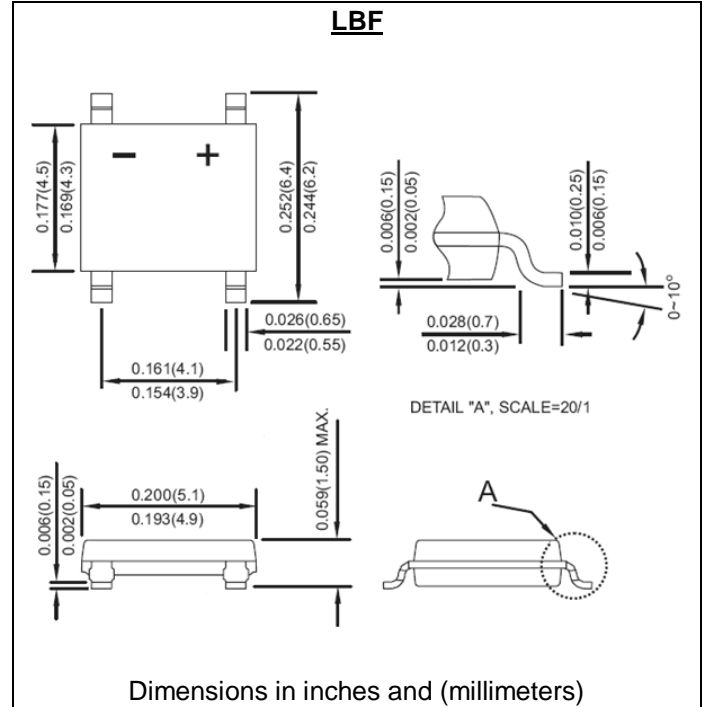


FEATURE

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

MECHANICAL DATA

- Terminal: Plated leads solderable per J-STD-002
- Case: UL-94 Class V-0 recognized Flame Retardant Epoxy
- Polarity: Polarity symbol marked on body
- Marking: GB6S GB8S



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	Symbol	GB6SA	GB8SA	Units
Maximum Recurrent Peak Reverse Voltage	V _{rrm}	600	800	V
Maximum RMS Voltage	V _{rms}	420	560	V
Maximum DC blocking Voltage	V _{dc}	600	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}	25		A
Maximum Instantaneous Forward Voltage at Forward Current 0.4A	V _f	0.98		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)}	42 88		°C/W
Storage and Operating Junction Temperature Range	T _{stg, Tj}	-55 to +150		°C

Note:

RATINGS AND CHARACTERISTIC CURVES GB6SA THRU GB8SA

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

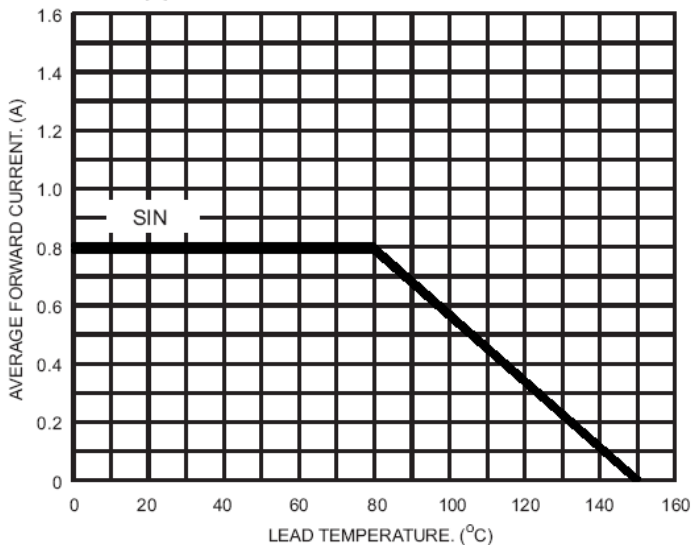


FIG.2- TYPICAL FORWARD CHARACTERISTICS

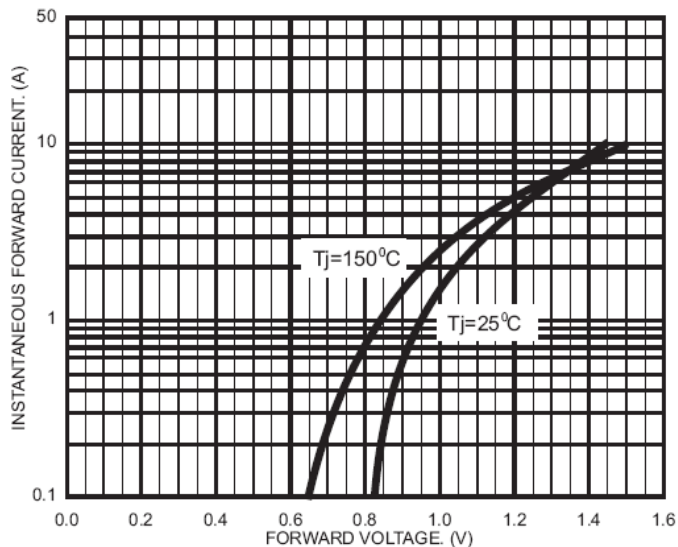


FIG.3- MAXIMUM FORWARD CURRENT DERATING CURVE

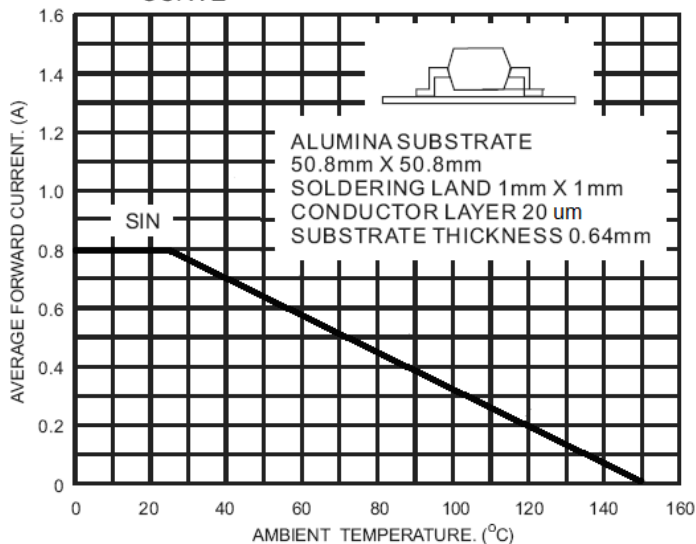


FIG.4- FORWARD POWER DISSIPATION

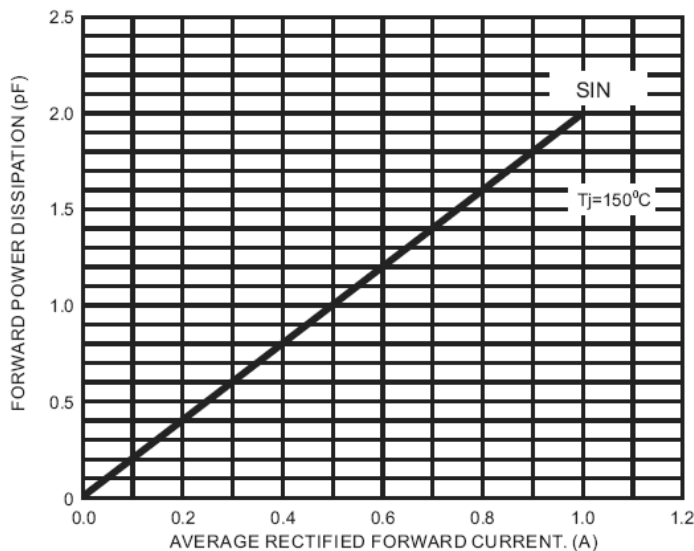


FIG.5- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

