EB6S THRU EB8S

SINGLE PHASE GLASS PASSIVATED SURFACE MOUNT FLAT BRIDGE RECTIFIER

VOLTAGE: 600V to 800V **CURRENT: 0.8A**

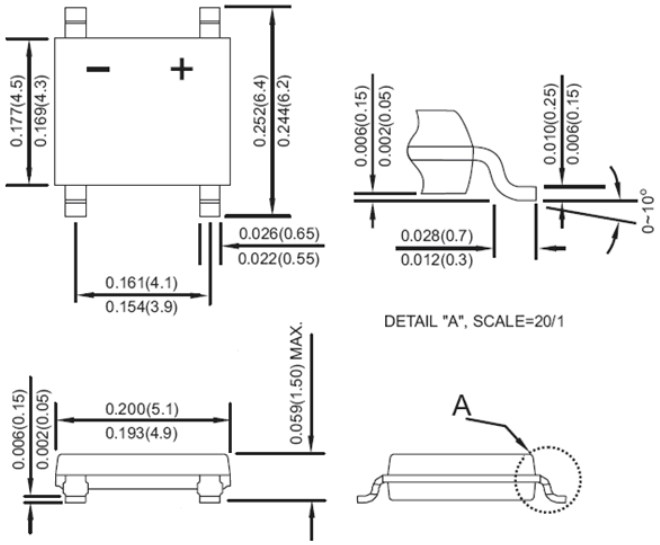
FEATURE

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℃/10 seconds/0.375" lead length at 5 lbs tension

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

LBF



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	Symbol	EB6S	EB8S	Units
Maximum Recurrent Peak Reverse Voltage	Vrrm	600	800	V
Maximum RMS Voltage	Vrms	420	560	V
Maximum DC blocking Voltage	VDC	600	800	V
Maximum Average Forward Rectified Current on glass-epoxy P.C.B.	If(av)	0.8		A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	25		A
Maximum Instantaneous Forward Voltage at Forward Current 0.4A	Vf	0.98		V
Maximum DC Reverse Current Ta =25℃ at rated DC blocking voltage Ta =110℃	Ir	5.0 100.0		μA
Typical Thermal resistance junction to lead on glass-epoxy P.C.B.	Rth(jl) Rth(ja)	42 88		℃/W
Storage and Operating Junction Temperature Range	Tstg, Tj	-55 to +150		℃

Note:

RATINGS AND CHARACTERISTIC CURVES EB6S THRU EB8S

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

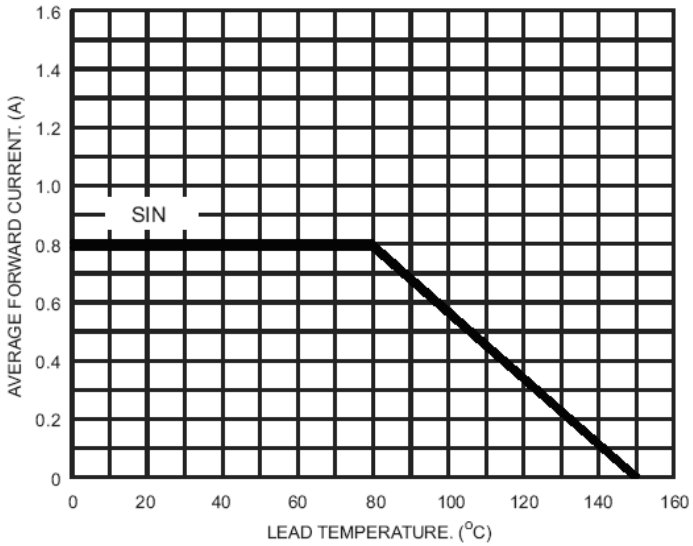


FIG.2- TYPICAL FORWARD CHARACTERISTICS

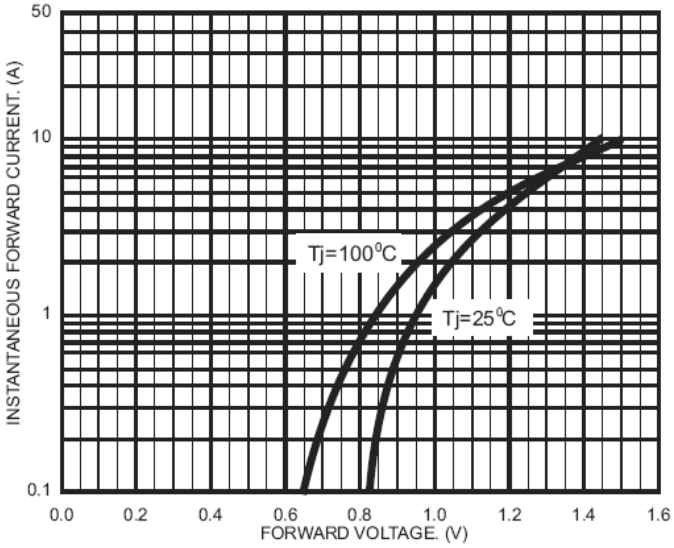


FIG.3- MAXIMUM FORWARD CURRENT DERATING CURVE

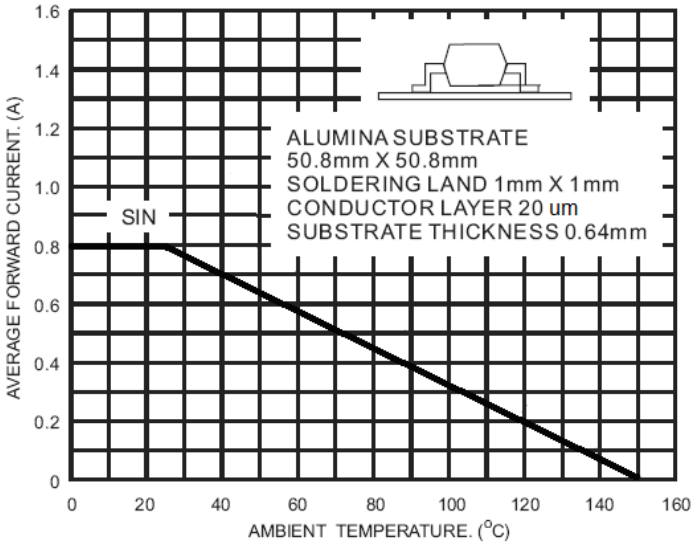


FIG.4- FORWARD POWER DISSIPATION

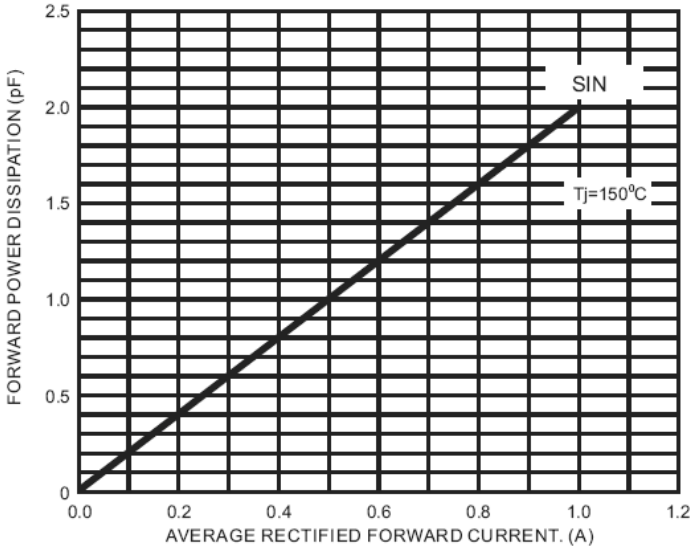


FIG.5- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT