

TB4S THRU TB10S

**SINGLE PHASE GLASS PASSIVATED
SURFACE MOUNT FLAT BRIDGE RECTIFIER**
VOLTAGE: 400V to 1000V CURRENT: 0.8A

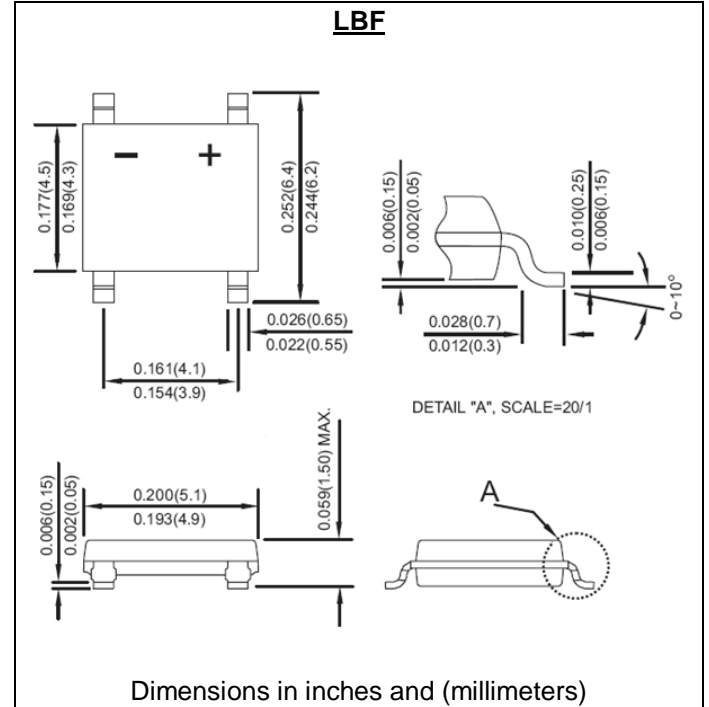


FEATURE

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: TB4S TB6S TB8S TB10S



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	Symbol	TB4S	TB6S	TB8S	TB10S	Units
Maximum Recurrent Peak Reverse Voltage	V _{rrm}	400	600	800	1000	V
Maximum RMS Voltage	V _{rms}	280	420	560	700	V
Maximum DC blocking Voltage	V _{DC}	400	600	800	1000	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
Rating for fusing(t<8.3ms)	I ² t	2.6				A ² sec
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} , T _j	-55 to +150				°C
Note:						

RATINGS AND CHARACTERISTIC CURVES TB4S THRU TB10S

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

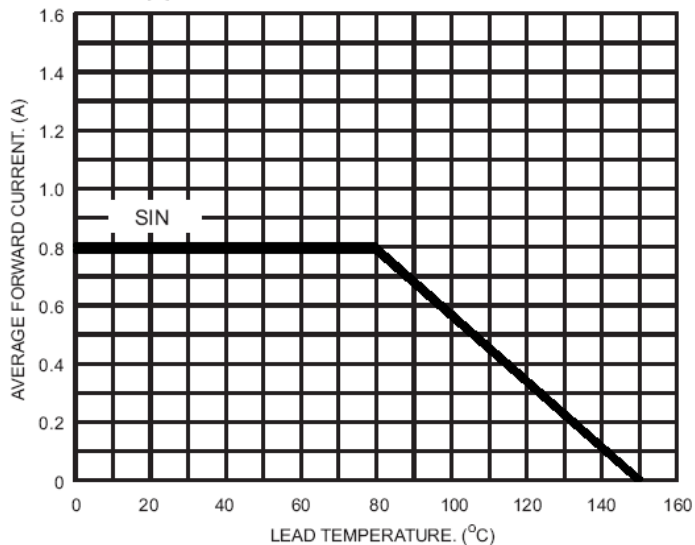


FIG.2- TYPICAL FORWARD CHARACTERISTICS

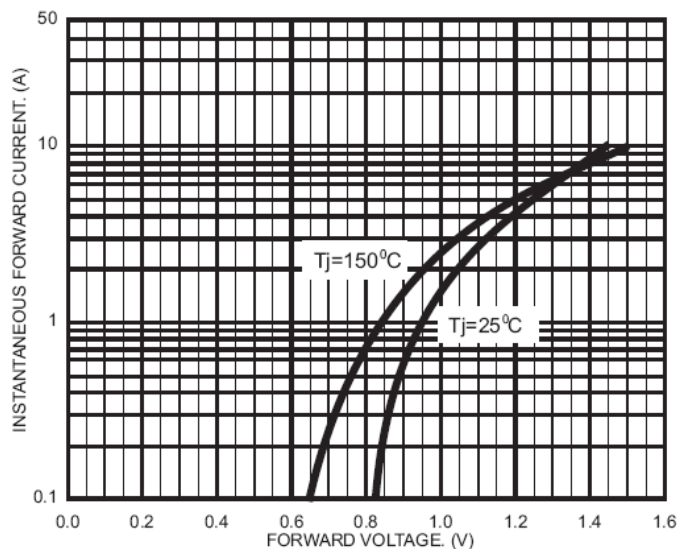


FIG.3- MAXIMUM FORWARD CURRENT DERATING CURVE

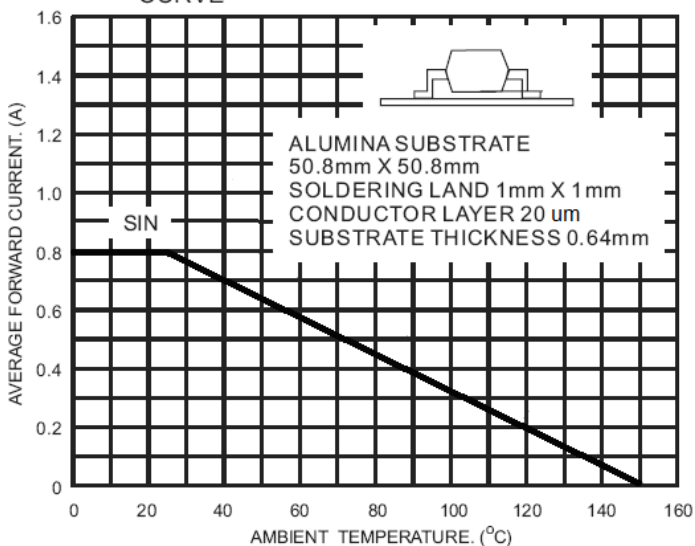


FIG.4- FORWARD POWER DISSIPATION

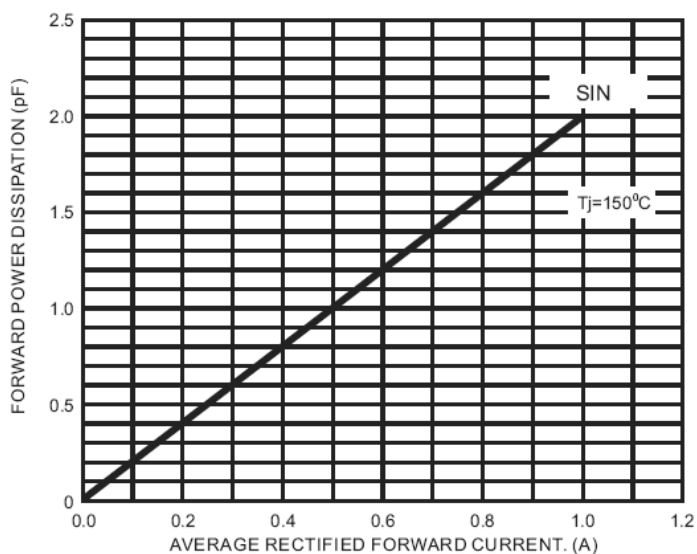


FIG.5- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

