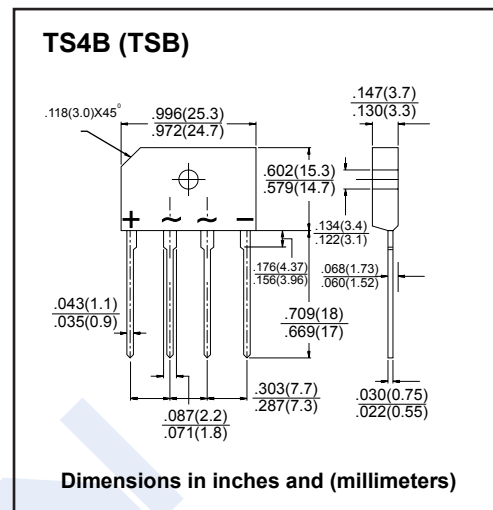


Rectifier Diodes

TS6B01G ~ TS6B07G

■ Features

- Ideal for printed circuit board
- Reliable low cost construction
- Surge overload rating to 150 amperes peak



■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	TS6B 01G	TS6B 02G	TS6B 03G	TS6B 04G	TS6B 05G	TS6B 06G	TS6B 07G	Unit
Repetitive Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
RMS Voltage	VRMS	35	70	140	280	420	560	700	
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	
Forward Voltage @ 6A	VF	1.1							
Averaged Forward Current.	IFAV	6							A
Peak Forward Surge Current @ 8.3ms	IFSM	150							
Maximum DC Reverse Current Ta=25℃ Ta=125℃	IR	5							μA
		500							
Junction Temperature	TJ	150							℃
Storage Temperature	Tstg	-55 to 150							

Rectifier Diodes

TS6B01G ~ TS6B07G

■ Typical Characteristics

FIG.1- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT

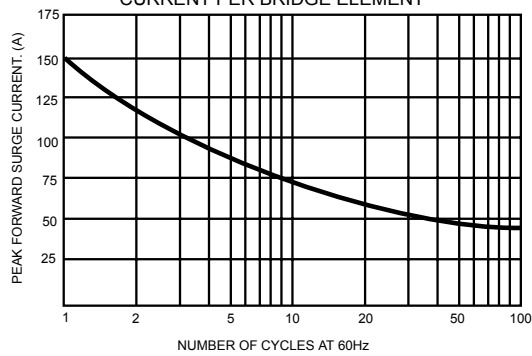


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

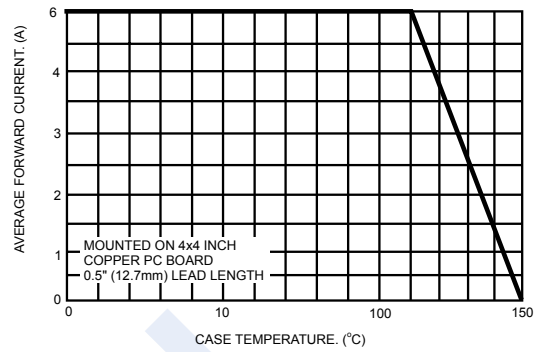


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

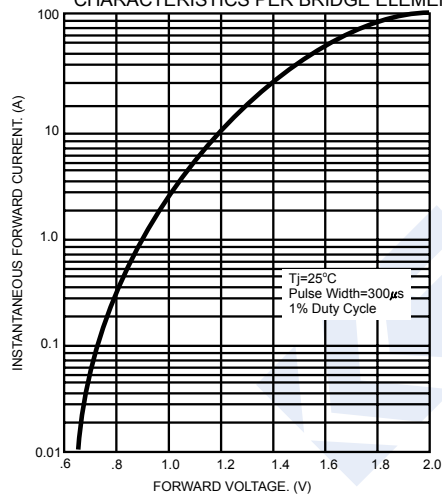


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

