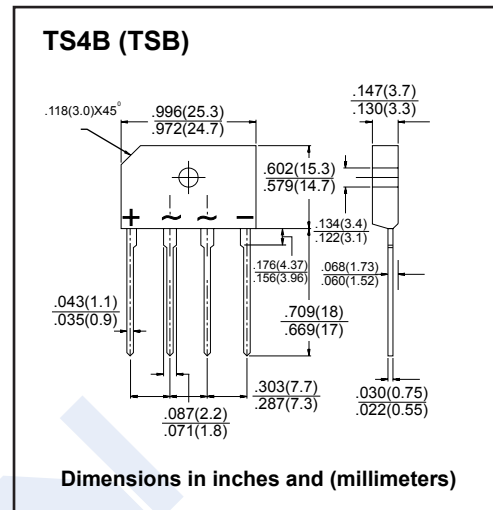


## Rectifier Diodes

### 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	$V_{RRM}$	50	100	200	400	600	800	1000	V	
RMS Voltage	$V_{RMS}$	35	70	140	280	420	560	700		
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000		
Forward Voltage @ 6A	$V_F$	1.1								A
Averaged Forward Current	$I_{FAV}$	6								
Peak Forward Surge Current @ 8.3ms	$I_{FSM}$	150								
Maximum DC Reverse Current $T_a=25^\circ\text{C}$ $T_a=125^\circ\text{C}$	$I_R$	5								$\mu\text{A}$
Junction Temperature	$T_j$	150								
Storage Temperature	$T_{stg}$	-55 to 150								$^\circ\text{C}$

# Rectifier Diodes

## TS6B01G ~ TS6B07G

■ Typical Characteristics

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

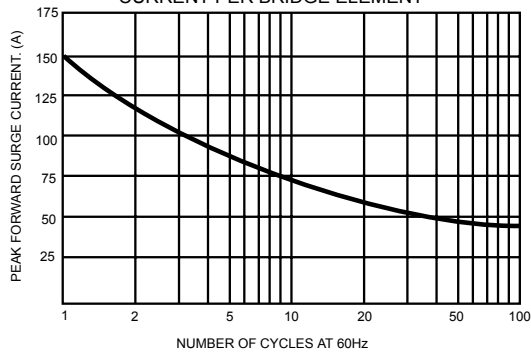


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

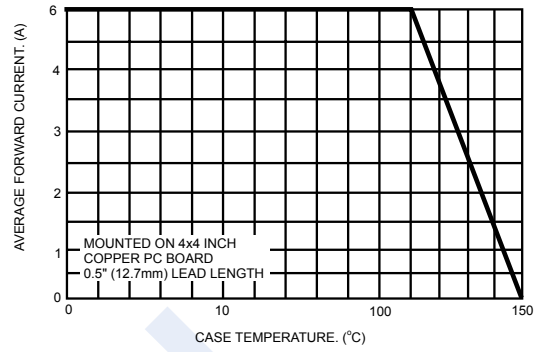


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

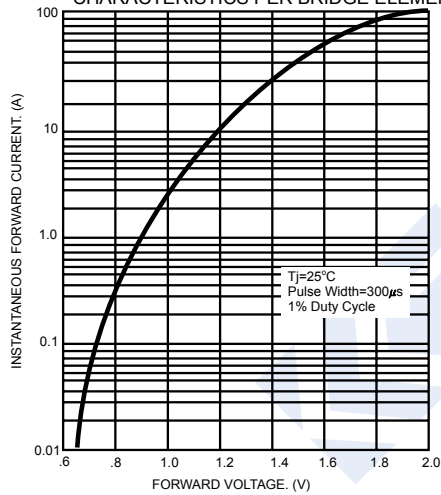


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

