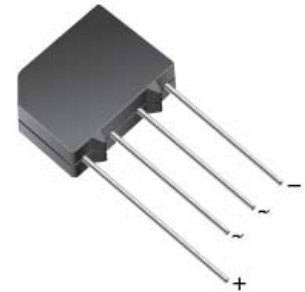


2.0A Glass Passivated Bridge Rectifier

Features

- Glass passivated chip junction
- High surge current capability
- High case dielectric strength
- Ideal for printed circuit boards
- High temperature soldering guaranteed: 260°C/10 seconds
0.375" (9.5mm) lead length at 5lbs.(2.3kg) tension
- RoHS compliant



TP



Mechanical Data

Case:	TP, Molded plastic body over passivated junction
Epoxy:	Plastic package has UL flammability classification 94V-0
Terminals:	Plated leads solderable per MIL-STD-202, Method 208
Polarity:	As marked on case
Weight:	0.06 ounce, 1.7 gram

Maximum Ratings And Electrical Characteristics (T_{amb}=25°C)

Symbols	Parameter	TP 200G	TP 201G	TP 202G	TP 204G	TP 206G	TP 208G	TP 210G	Unit	Conditions
VRRM	Maximum Repetitive Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
VRMS	Maximum RMS Voltage	35	70	140	280	420	560	700	V	
VDC	Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V	
IF(AV)	Maximum Average Forward Rectified Current	2.0							A	TA=55° C
IFSM	Peak Forward Surge Current	60							A	8.3ms Single Sine-wave Superimposed on Rated Load (JEDEC Method)
I²t	Rating for Fusing (t<8.3ms)	15							A ² sec	

2.0A Glass Passivated Bridge Rectifier

TP200G - TP210G

Symbols	Parameter	TP 200G	TP 201G	TP 202G	TP 204G	TP 206G	TP 208G	TP 210G	Unit	Conditions
V_F	Maximum Instantaneous Forward Voltage Drop per leg	1.1							V	I _F =3.14A
I_R	Maximum DC Reverse Current at Rated DC Blocking Voltage per leg	5.0							μA	TA=25°C
		500								TA=125°C
C_J	Typical Junction Capacitance per leg	25							pF	V _R =4V, f=1MHz
R_{θJA}	Typical Thermal Resistance per leg	30							°C/W	Note 1
R_{θJL}		11								
T_J, T_{STG}	Operating Junction and Storage Temperature Range	-55 to +165							°C	

Note: 1. Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.47 x 0.47" (12 x12mm) copper pads.

Rating and Characteristic Curves

Fig.1- Derating Curve Output Rectified Current

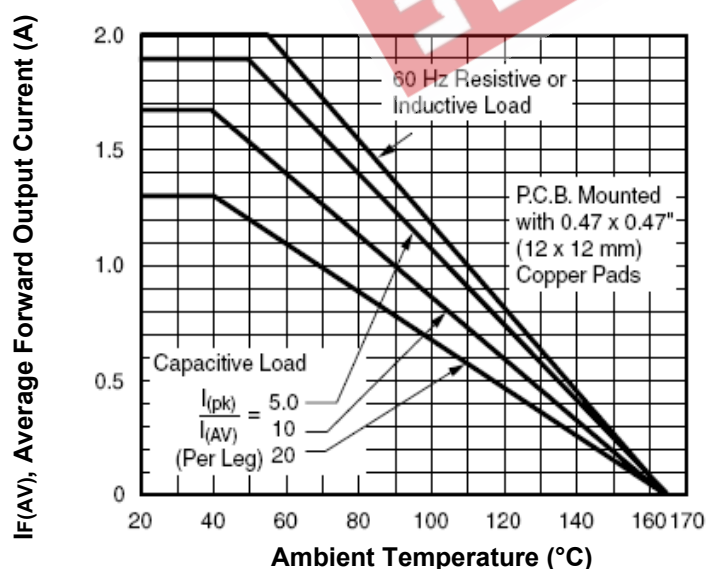
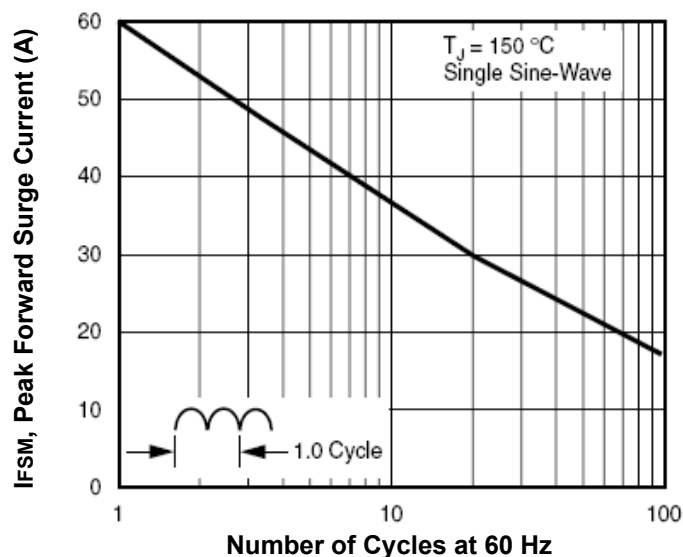


Fig.2-Maximum Non-Repetitive Peak Forward Surge Current per leg



2.0A Glass Passivated Bridge Rectifier

TP200G - TP210G

Fig.3-Typical Forward Characteristics per leg

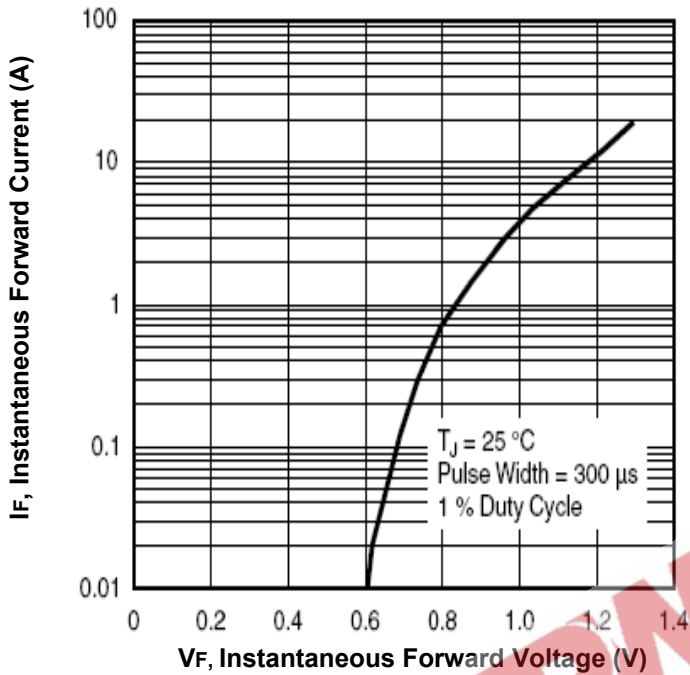


Fig.4-Typical Reverse Leakage Characteristics per leg

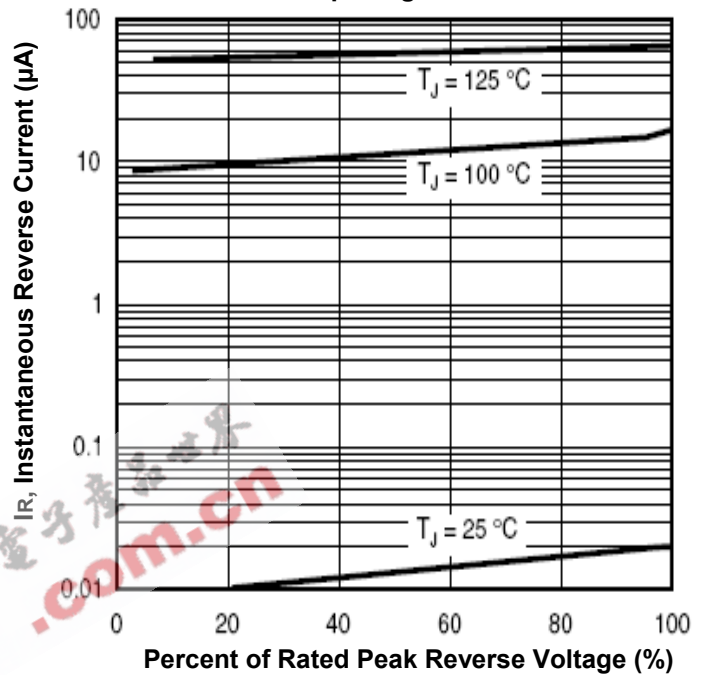


Fig.5- Typical Junction Capacitance per leg

