

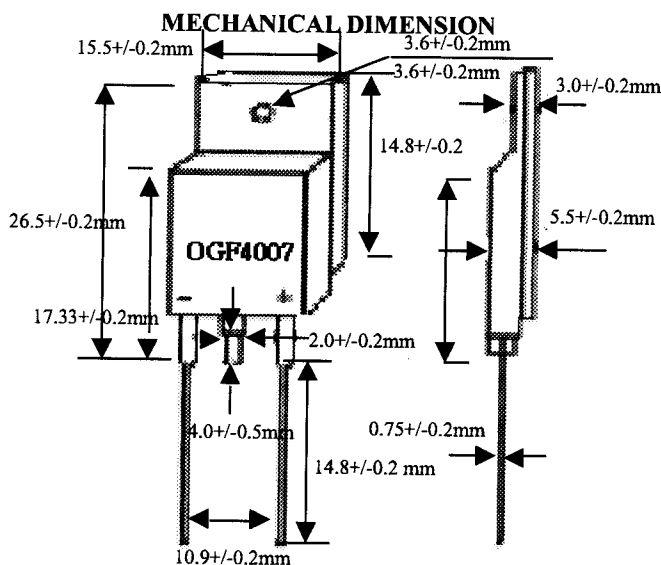


DESCRIPTION

OGF4001~4007



ITO-3P-2L



FEATURES

- ☐ High surge Current Capability
- ☐ High Forward Current Capability
- ☐ Low Forward Voltage Drop
- ☐ Glass Passivated Chip Junction
- ☐ High Temperature Soldering Guaranteed

MECHANICAL DATA

- ☐ Case: JEDEC ITO-3P-2L Molded Plastic Body
- ☐ Terminals: Plated Leads Solderable per MIL-STD_750, Method 2026
- ☐ Plastic package : Flammability Classification 94V-0

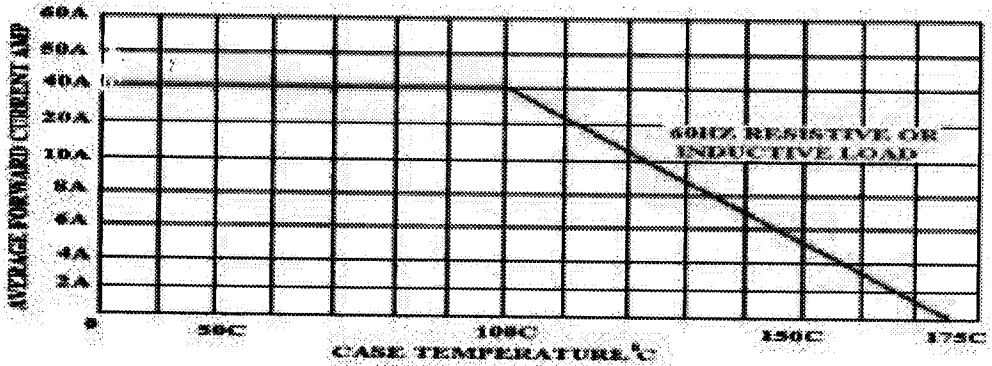
Maximum Ratings And Electrical Characteristics (Ta=25°C)

Parameters	Symbol	OGF40							
		01	02	03	04	05	06	07	
Average forward current, I _o at T _c =100°C 60Hz, Resistive or Inductive Load	IF	40.0A							
Peak Repetitive Reverse Voltage	VRRM	50	100	200	400	600	800	1000	
Max RMS Voltage	V RMS	35	70	140	280	420	560	700	
DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	
Forward Voltage @IF= 40A	VF	1.1							
Non-Peak Forward Surge Current, @Rated Load Conditions 8.3ms 1/2 Sine-Wave	IFMS	400A							
Max. Reverse Current IR At Rated DC Reverse Voltage. T _c =25/100°C	IR	5.0uA 250uA							
Typical thermal Resistance,	Rth-JC	----- 1.2°C/W -----							
Typical Junction Capacitance (Note:1)	Cj	-----160pF-----							
Operating and Storage Temperature Range	To/Ts	-----65 to +175°C-----							

NOTE: 1. MEASURED AT 1 MHZ AND A APPLIED REVERSE VOLTAGE OF 4.0VD.C.



FIG1 - FORWARD CURRENT DERATING CURVE



OCF4001~4007

FIG2.- MAX NON-REPETITIVE PEAK FORWARD CURGAGE CURRENT

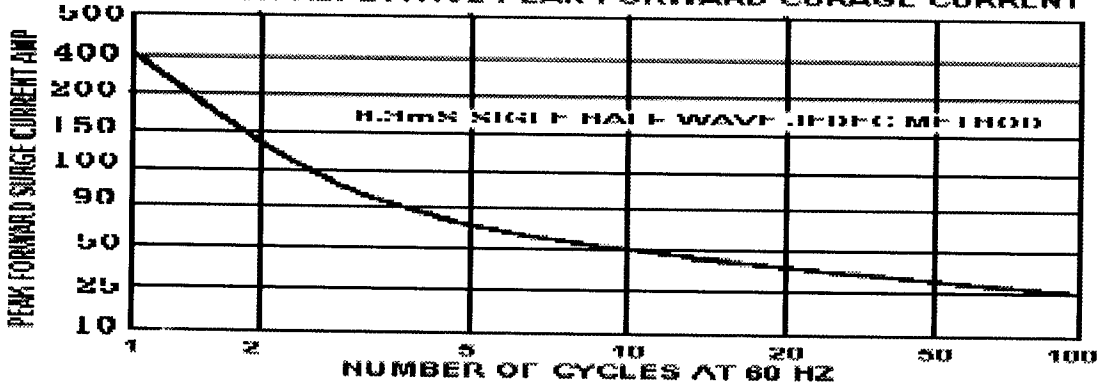


FIG3- TYPICAL JUNCTION CAPACITANCE

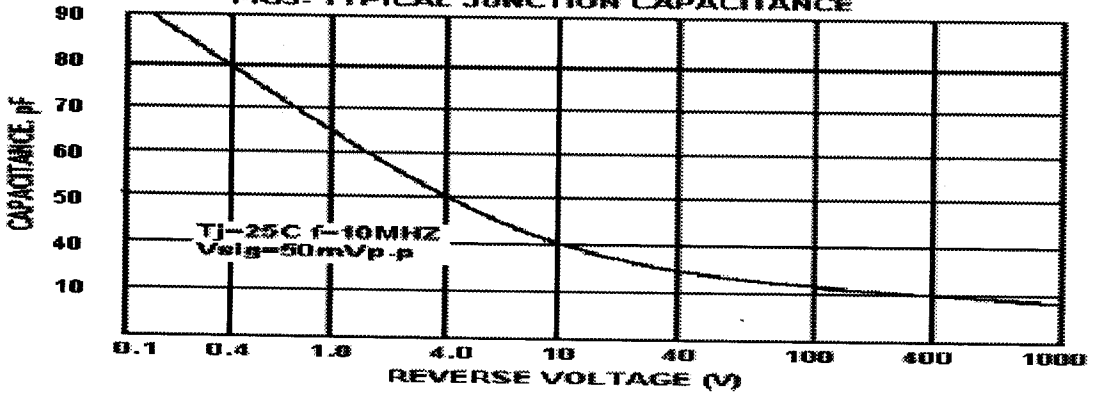


Fig.4- Typical Instantaneous Forward Characteristics

