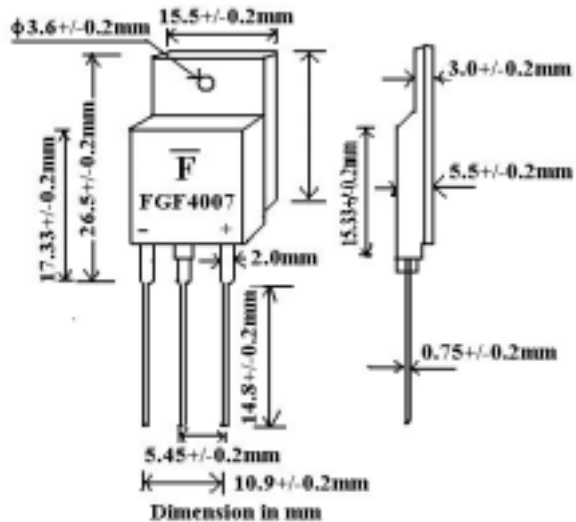




DESCRIPTION

MECHANICAL DIMENSION

FGF4001~4007



ITO-3P

FEATURES

- High surge Current Capability
- High Forward Current Capability
- Low Forward Voltage Drop
- Glass Passivated Chip Junction
- High Temperature Soldering Guaranteed
- Suffix D mean Connect Type, Suffix C
- Common Cathode (+) Suffix A mean Common Anode (-)

MECHANICAL DATA

- Case: JEDEC ITO-3P 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)

Parameters	Symbol	FGF40						
		01	02	03	04	05	06	07
Average forward current, I _o at T _c =100 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 Blanking 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	IR	5.0uA 250uA						
Typical thermal Resistance,	R _{JC}	1.5 /W-----						
Typical Junction Capacitance (Note:1)	C _j	-----160pF-----						
Operating and Storage Temperature Range	To/Ts	-----65 to +150 -----						

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



FIG.1 –FORWARD CURRENT DERATING CURVE

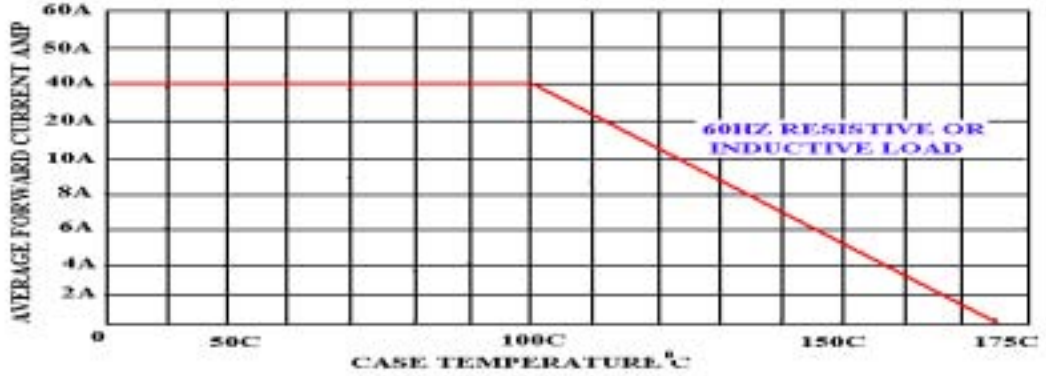


FIG2.- MAX NON-REPETITIVE PEAK FORWARD CURAGE CURRENT

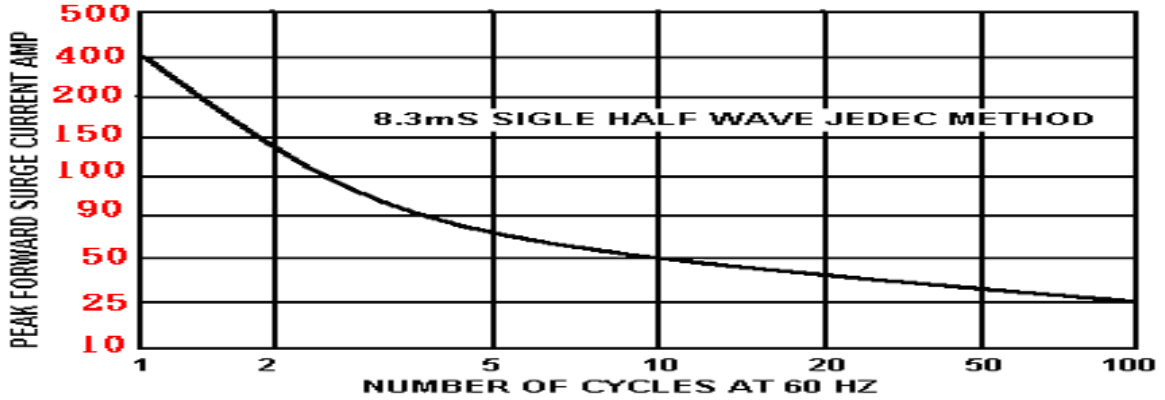


FIG3- TYPICAL JUNCTION CAPACITANCE

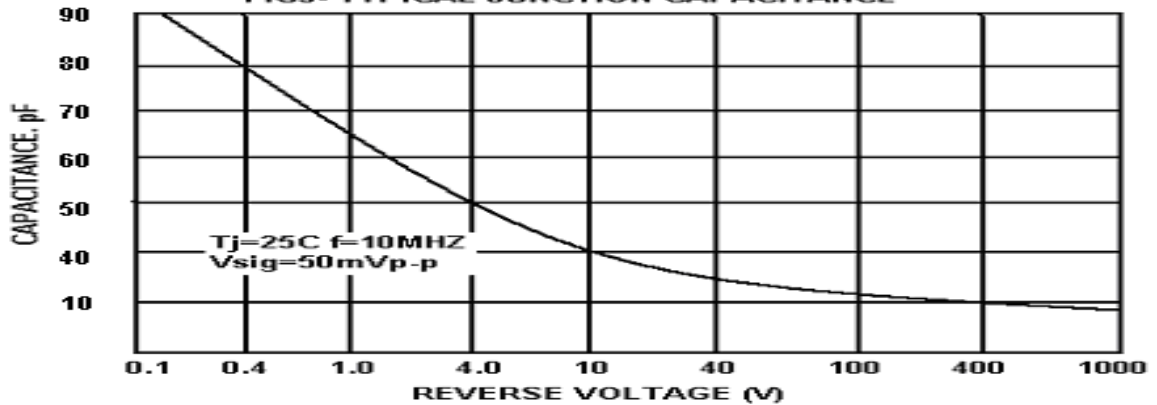


Fig.4- Typical Instantaneous Forward Characteristics

