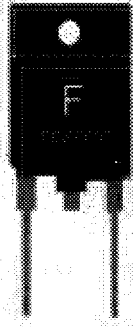




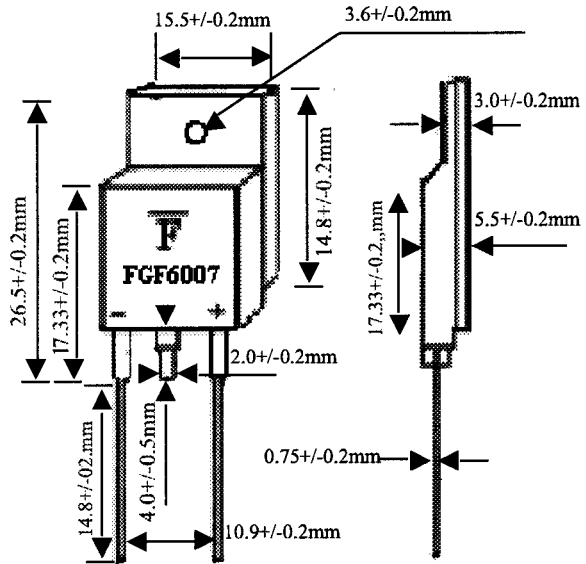
DESCRIPTION

**FGF6001~6007**



**ITO-3P-2L**

MECHANICAL DIMENSION



**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	FGF60						
		01	02	03	04	05	06	07
Average forward current, I <sub>o</sub> at T <sub>c</sub> =100°C 60Hz, Resistive or Inductive Load	I <sub>F</sub>	60.0A						
Peak Repetitive Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000
Max RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700
DC Blanking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000
Forward Voltage @I <sub>F</sub> = 60A	V <sub>F</sub>	1.1						
Non-Peak Forward Surge Current, @Rated Load Conditions 8.3mS 1/2 Sine-Wave	I <sub>FMS</sub>	600A						
Max. Reverse Current I <sub>R</sub> At Rated DC Reverse Voltage. T <sub>c</sub> =25/100°C	I <sub>R</sub>	5.0uA 250uA						
Typical thermal Resistance,	R <sub>th-JC</sub>	----- 1.5 °C/W -----						
Typical Junction Capacitance (Note:1)	C <sub>j</sub>	-----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.



FIG.1 -FORWARD CURRENT DERATING CURVE

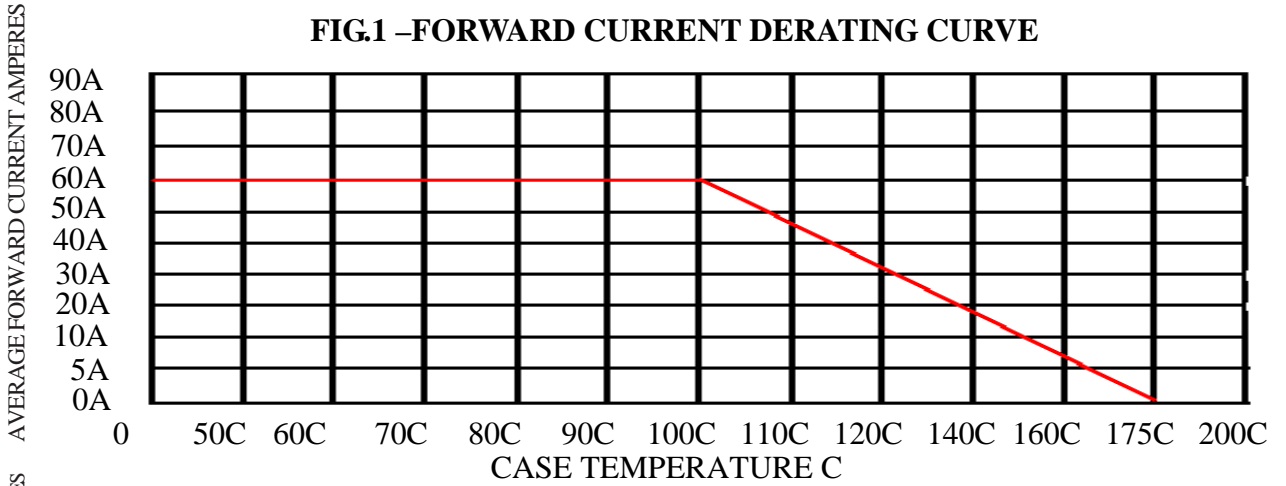


FIG.2-MAX NON-REPETITIVE PEAK FORWARD CURAGE CURRENT

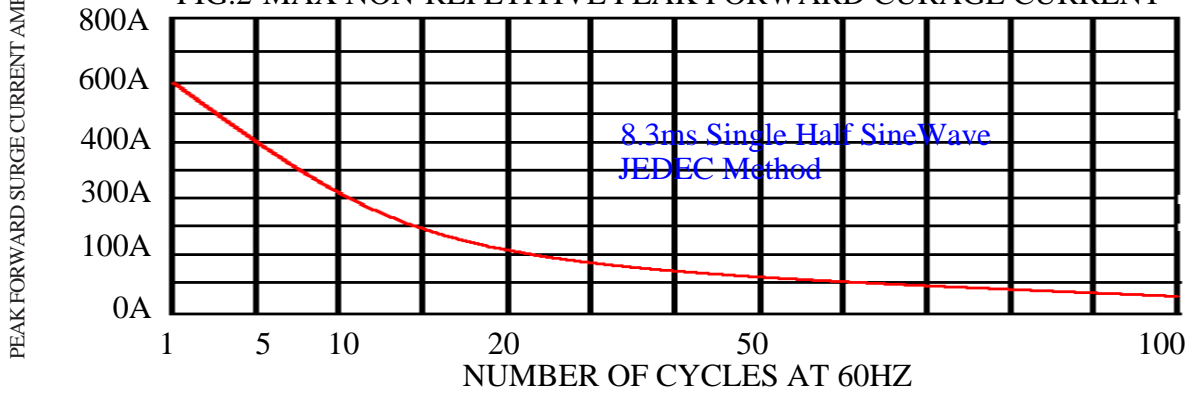


FIG3- TYPICAL JUNCTION CAPACITANCE

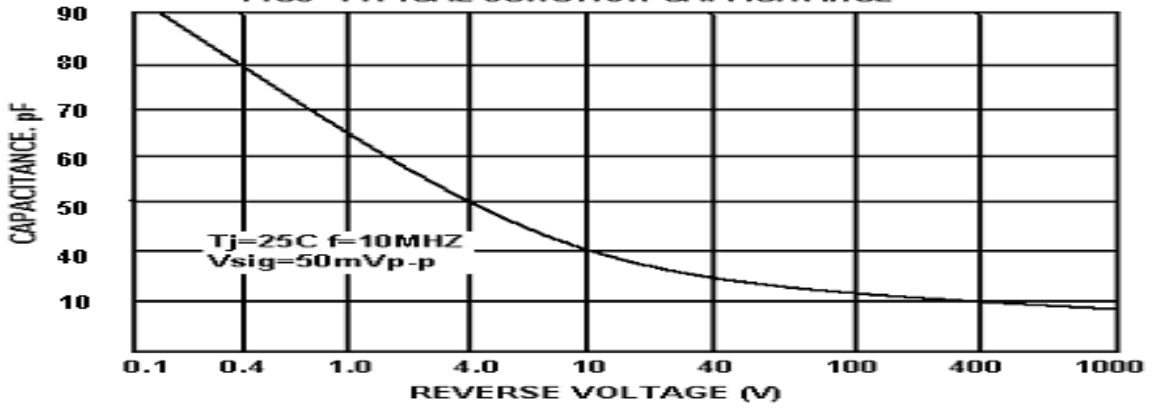


Fig.4-Typical Instantaneous Forward Characteristics

