DATA SHEET

40AMP ISOLATED POWER PACK
GPP STANDARD RECTIFIERS

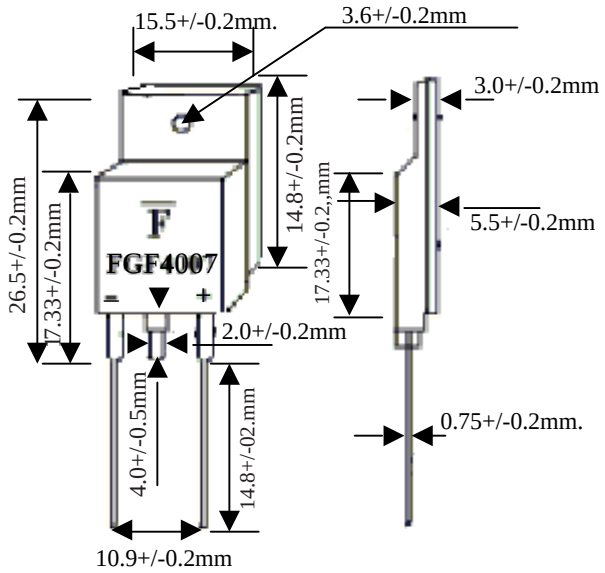
FGF4001~4007

DESCRIPTION



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℃)

Parameters	Symbol	FGF40						
		01	02	03	04	05	06	07
Average forward current, Io at Tc =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 Blacking 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. Tc =25/100℃	IR	5.0uA 250uA						
Typical thermal Resistance,	Rth-JC	---------- 1.2℃/W ----------						
Typical Junction Capacitance (Note:1)	Cj	----------160pF----------						
Operating and Storage Temperature Range	To/Ts	----------65 to +175℃----------						

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

FIG.1 –FORWARD CURRENT DERATING CURVE

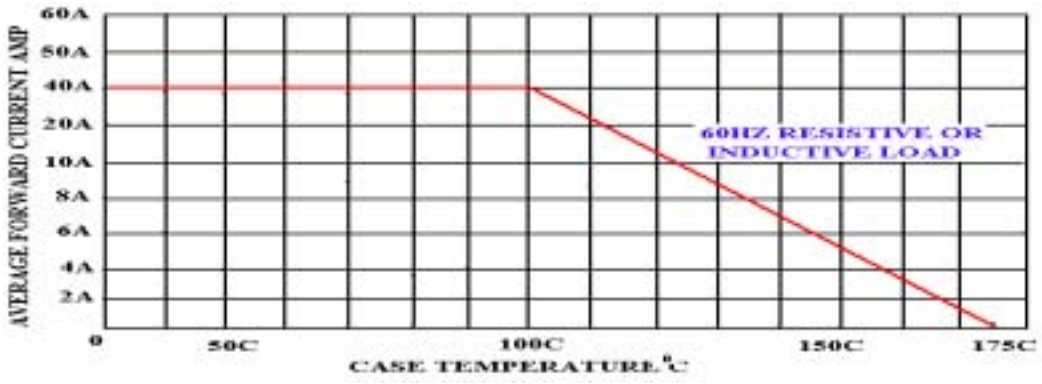


FIG2.- MAX NON-REPETITIVE PEAK FORWARD CURAGE CURRENT

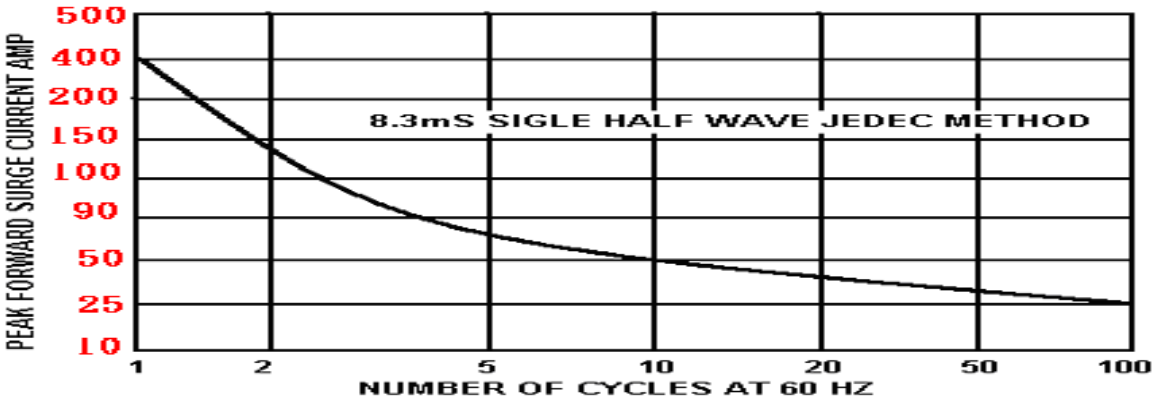


FIG3- TYPICAL JUNCTION CAPACITANCE

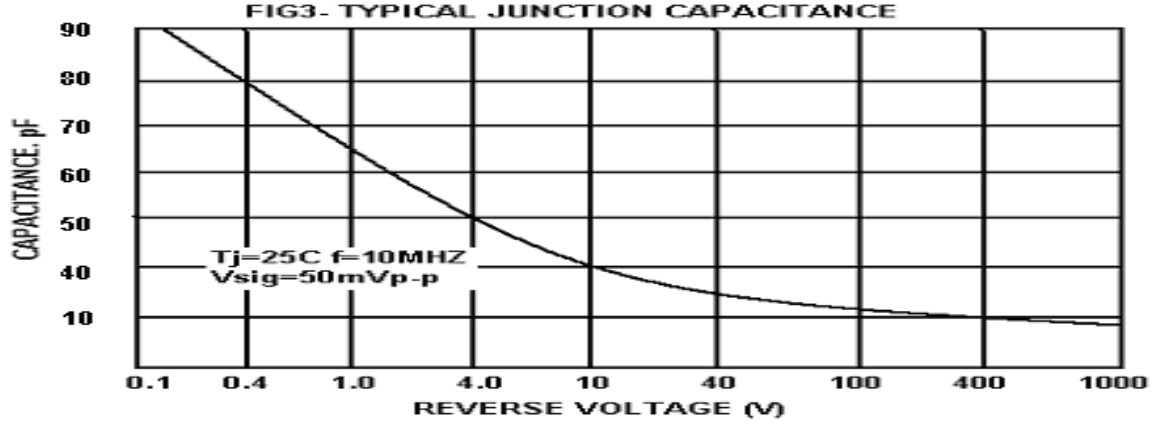
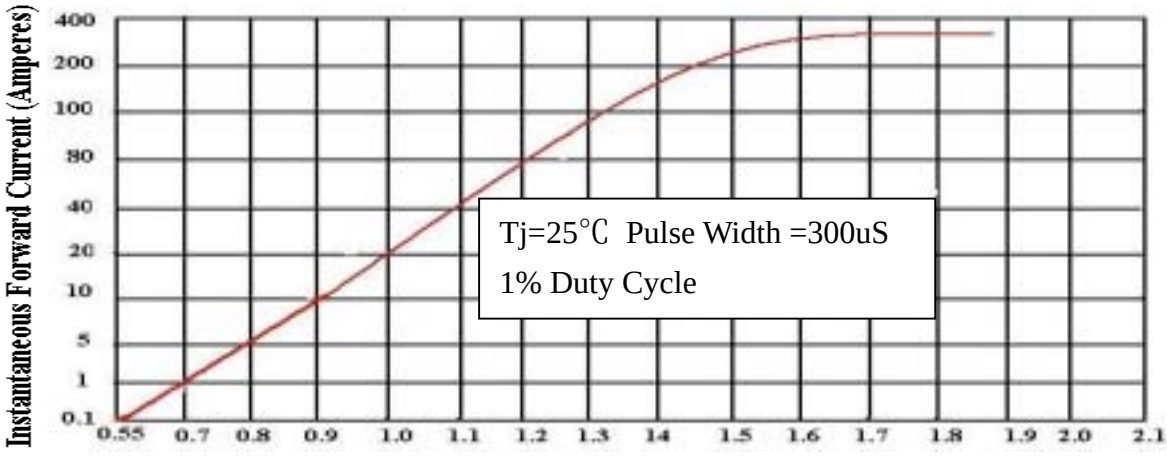


Fig.4- Typical Instantaneous Forward Characteristics



Instantaneous Forward Voltage (V)