FEPF16AT-G-FEPF16JT-G

SEMICONDUCTOR

16A ISOLATION SUPER-FAST GLASS PASSIVATED RECTIFIER

Data Sheet 4844, Rev.-

Green Products

Features

- Glass Passivated Die Construction
- Super-Fast Switching for High Efficiency
- High Current Capability
- Low Reverse Leakage Current
- High Surge Current Capability
- Plastic Material has UL Flammability Classification 94V-O
- Green Products in Compliance with the RoHS Directive

Mechanical Data

Case: ITO-220 Full Molded Plastic

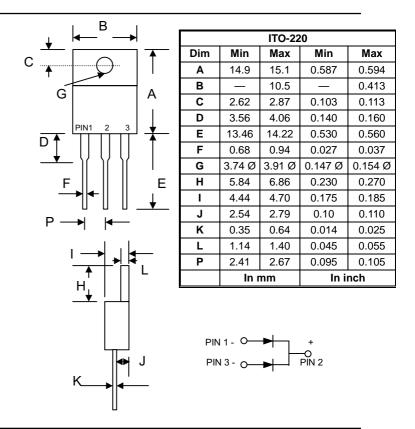
 Terminals: Plated Leads Solderable per MIL-STD-202, Method 208

Polarity: See Diagram

Weight: 2.24 grams (approx.)

Mounting Position: Any

Marking: Type Number



Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	FEPF 16AT-G	FEPF 16BT-G	FEPF 16CT-G	FEPF 16DT-G	FEPF 16FT-G	FEPF 16GT-G	FEPF 16JT-G	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	50	100	150	200	300	400	600	>
RMS Reverse Voltage	VR(RMS)	35	70	105	140	210	280	420	٧
Average Rectified Output Current @T _C = 105°C	lo	16							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	İFSM	125							Α
Forward Voltage @I _F = 8.0A	VFM	0.95 1.3 1.7					V		
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 100°C	lгм	10 500							μA
Reverse Recovery Time (Note 1)	trr	35 50					nS		
Typical Junction Capacitance (Note 2)	Cj	80 60						pF	
Operating and Storage Temperature Range	Тj, Tsтg	-65 to +150							°C

Note: 1. Measured with IF = 0.5A, IR = 1.0A, IRR = 0.25A.

2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

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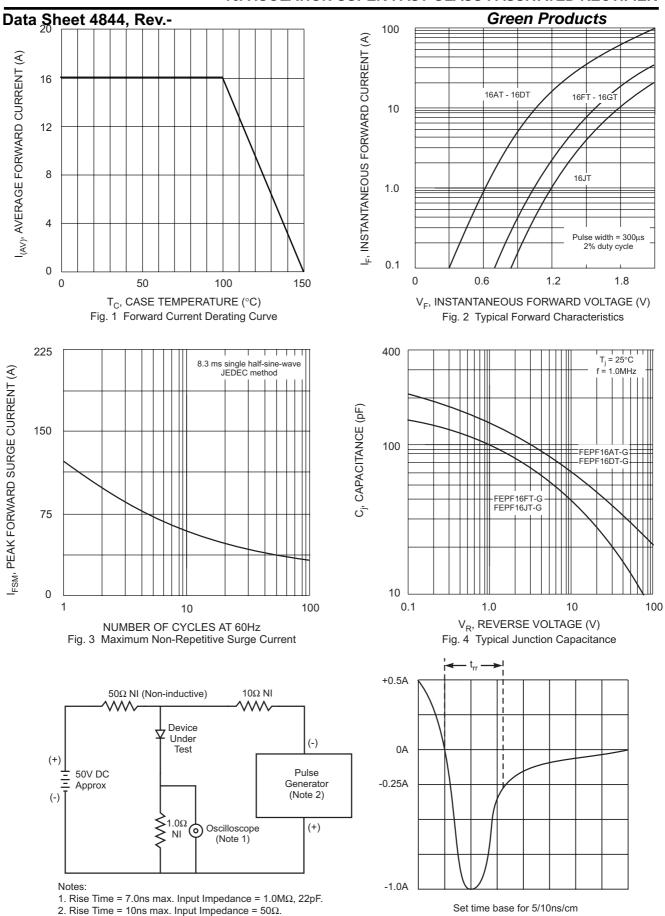


Fig. 5 Reverse Recovery Time Characteristic and Test Circuit

SENSITRON SEMICONDUCTOR

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