### SENSITRON

### FESF8AT-G-FESF8JT-G

8.0A ISOLATION SUPER-FAST GLASS PASSIVATED RECTIFIER

### Data Sheet 4829, Rev.-

### **Green Products**

### **Features**

Glass Passivated Die Construction

**SEMICONDUCTOR** 

- 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-220A Full Molded Plastic

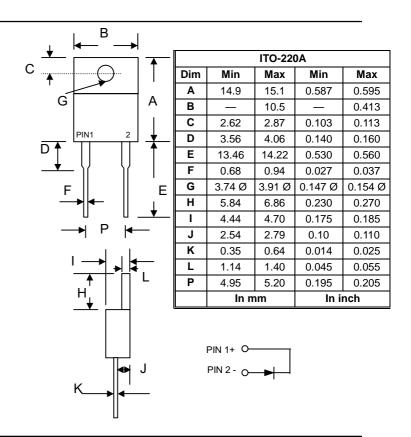
 Terminals: Plated Leads Solderable per MIL-STD-202, Method 208

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	FESF 8AT-G	FESF 8BT-G	FESF 8CT-G	FESF 8DT-G	FESF 8FT-G	FESF 8GT-G	FESF 8JT-G	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	50	100	150	200	300	400	600	V
RMS Reverse Voltage	VR(RMS)	35	70	105	140	210	280	420	V
Average Rectified Output Current @Tc = 105°C	lo	8.0							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	125						Α	
Forward Voltage @I <sub>F</sub> = 8.0A	VFM	0.95			1.	.3	1.7	V	
Peak Reverse Current @T <sub>A</sub> = 25°C At Rated DC Blocking Voltage @T <sub>A</sub> = 100°C	IRM	10 400						μΑ	
Reverse Recovery Time (Note 1)	trr	35			50			nS	
Typical Junction Capacitance (Note 2)	Cj	70			50			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.

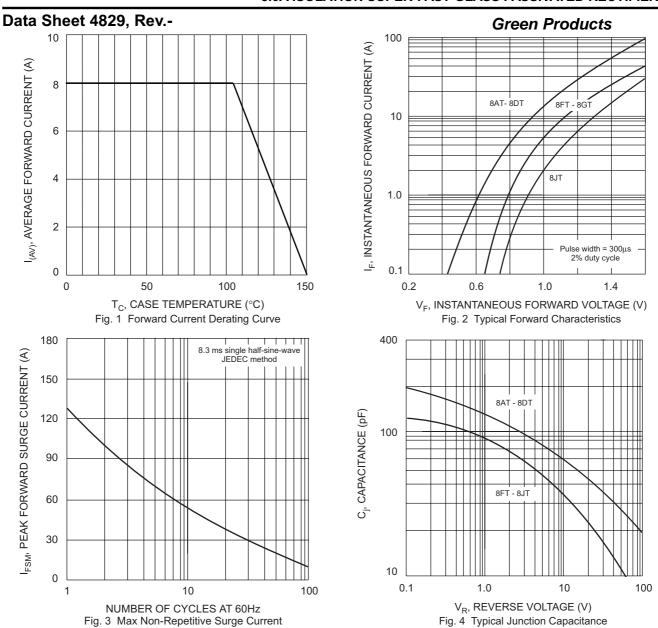
2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

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### 8.0A ISOLATION SUPER-FAST GLASS PASSIVATED RECTIFIER



# SENSITRON SEMICONDUCTOR

## FESF8AT-G-FESF8JT-G

### 8.0A ISOLATION SUPER-FAST GLASS PASSIVATED RECTIFIER

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Green Products

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