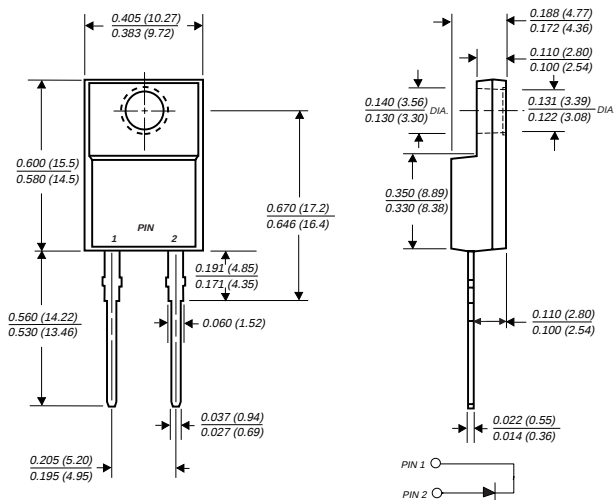


FESF8AT THRU FESF8JT

FAST EFFICIENT PLASTIC RECTIFIER

Reverse Voltage - 50 to 600 Volts **Forward Current** - 8.0 Amperes

ITO-220AC



Dimensions in inches and (millimeters)

FEATURES

- ◆ Plastic package has Underwriters Laboratory Flammability Classification 94V-0
 - ◆ Glass passivated chip junction
 - ◆ Low leakage, high voltage
 - ◆ High surge current capability
 - ◆ Superfast recovery time, for high efficiency
 - ◆ High temperature soldering guaranteed:
250°C, 0.25" (6.35mm) from case for 10 seconds
- 



MECHANICAL DATA

Case: JEDEC ITO-220AC fully overmolded plastic body over passivated chip

Terminals: Plated lead solderable per MIL-STD-750, Method 2026

Polarity: As marked

Mounting Position: Any

Weight: 0.064 ounce, 1.81 grams

Mounting Torque: 5 in. - lbs. max.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

[illegible]

NOTES:

(1) Reverse recovery test conditions: $I_F=0.5A$, $I_R=1.0A$, $I_{rr}=0.25A$

(2) Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts

(3) Thermal resistance from junction to case mounted on heatsink

RATINGS AND CHARACTERISTIC CURVES FESF8AT THRU FESF8JT

FIG. 1 - MAXIMUM FORWARD CURRENT DERATING CURVES

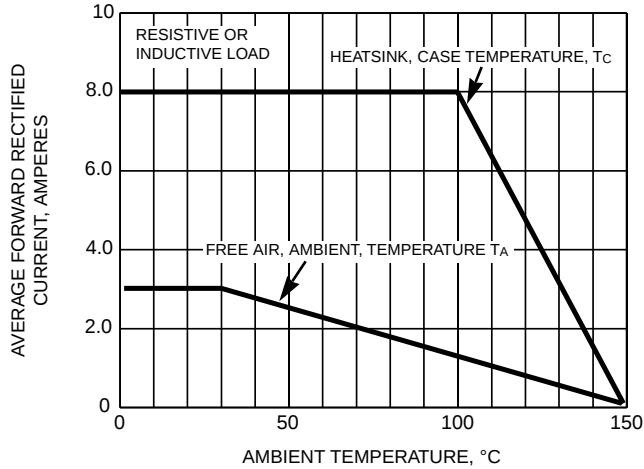


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

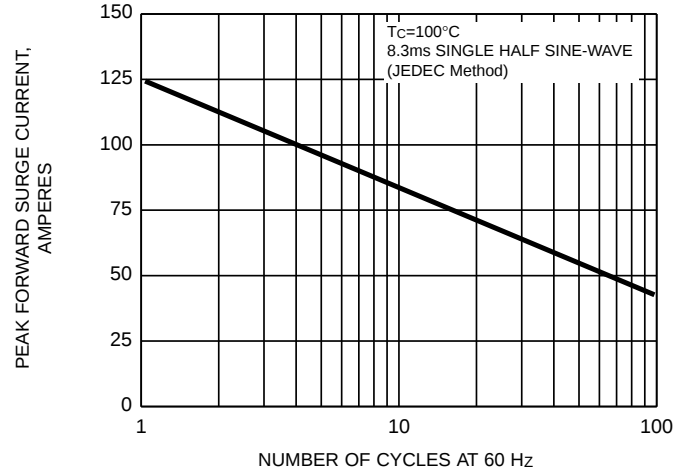


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

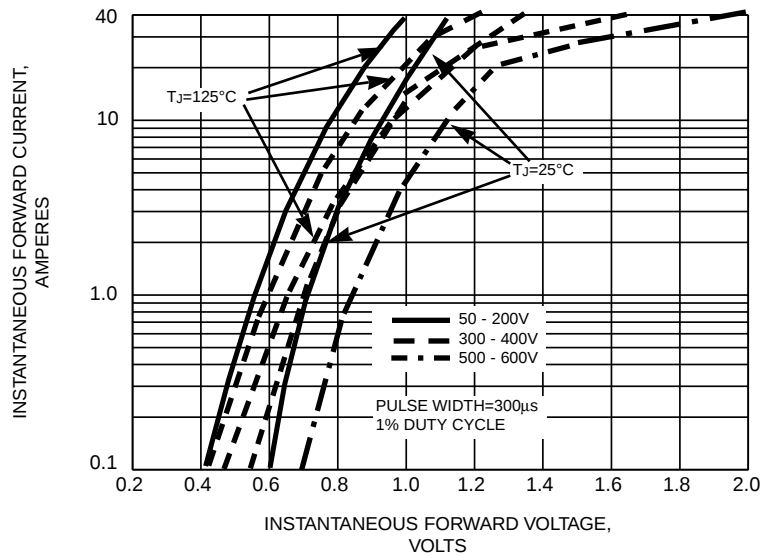


FIG. 4 - TYPICAL REVERSE LEAKAGE CHARACTERISTICS

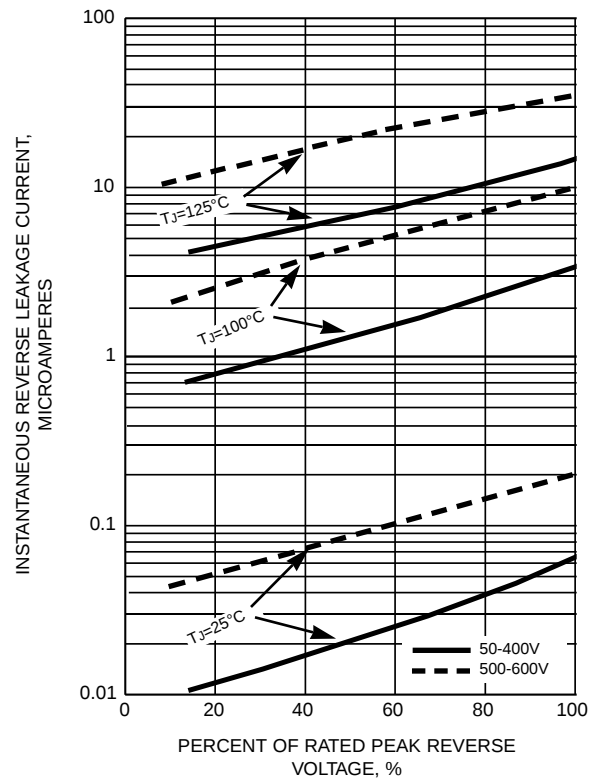


FIG. 5 - TYPICAL JUNCTION CAPACITANCE

