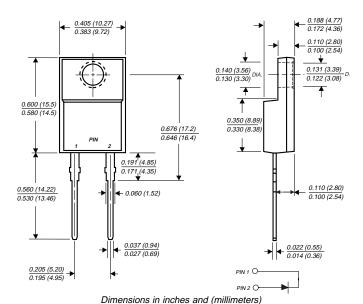
NSF8AT THRU NSF8MT

GLASS PASSIVATED GENERAL PURPOSE PLASTIC RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 8.0 Amperes

ITO-220AC



FEATURES

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

MECHANICAL DATA

Case: JEDEC ITO-220AC molded plastic body

Terminals: Plated leads solderable per MIL-STD-750,

Method 2026

Polarity: As marked Mounting Position: Any

Weight: 0.08 ounce, 2.24 grams Mounting Torque: 5 in. - lbs. max.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

	SYMBOLS	NSF8 AT	NSF8 BT	NSF8 DT	NSF8 GT	NSF8 JT	NSF8 KT	NSF8 MT	UNITS
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current at Tc=100°C	C I(AV)	8.0							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	175.0							Amps
Maximum instantaneous forward voltage at 8.0A	VF	1.1						Volts	
Maximum DC reverse current at rated DC blocking voltage Tc=25°C Tc=100°C	lr	10.0 100.0							μΑ
Typical junction capacitance (NOTE 1)	CJ	55.0						pF	
Typical thermal resistance (NOTE 2)	R⊝JC	3.0						°C/W	
Operating junction and storage temperature range	TJ, TSTG	-55 to +150							°C

NOTES:



⁽¹⁾ Measured at 1.0 MHz and applied reversed voltage of 4.0 Volts

⁽²⁾ Thermal resistance from junction to case mounted on heatsink

RATINGS AND CHARACTERISTIC CURVES NSF8AT THRU NSF8MT

