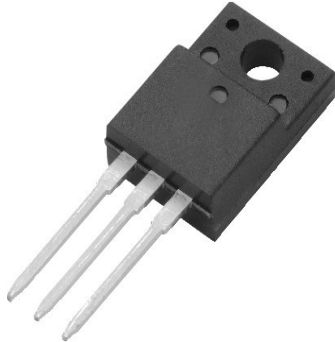
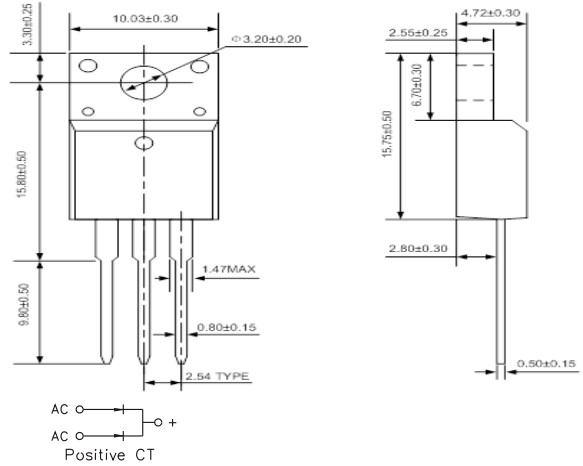


SUPERFAST RECOVERY RECTIFIER

VOLTAGE - 50 TO 600 VOLTS CURRENT - 16 AMPERES



ITO-220AB



Dimensions in inches and (millimeters)

FEATURES

- Low forward voltage drop
- High Current Capability
- High reliability
- High surge Current Capability
- Good for switching mode application
- High temperature soldering : 260°C/10seconds at terminals
- Pb free product are available : 99% Sn above can meet RoHS environment substance directive request

MECHANICAL DATA

- Case : ITO220AB Molded plastic
- Epoxy : UL 94V-0 rate flame retardant
- Lead : Lead solderable per MIL-STD-202, Method 208 guaranteed
- Polarity : As Marked
- Mounting Position : Any
- Weight : 2.24gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified
 Single phase, half wave, 60Hz, resistive or inductive load
 For capacitive load, derate current by 20%

PARAMETER	MURF 1605CT	MURF 1610CT	MURF 1615CT	MURF 1620CT	MURF 1630CT	MURF 1640CT	MURF 1660CT	UNITS
Maximum Repetitive Peak Reverse Voltage	50	100	150	200	300	400	600	Volts
Maximum RMS Voltage	35	70	105	140	210	320	420	Volts
Maximum DC Blocking Voltage	50	100	150	200	300	400	600	Volts
Maximum Average Forward Rectified Current .375" (9.5mm) Lead Length at Tc= 100°C	16							Amps
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	150							Amps
Maximum Instantaneous Forward Voltage at 8.0A	0.95		1.25			1.55		Volts
Maximum DC Reverse Current TA=25°C at Rated DC Blocking Voltage TA=100°C	10 500							μ A
Typical Junction Capacitance (Note 1)	62							pF
Maximum Reverse Recovery Time (Note 2)	35				35			nS
Typical Thermal Resistance Note RθJC	3.0							°C / W
Operating and Storage Temperature Range Tj	-55 to +150							°C

- NOTES :
1. Measured at 1MHz and applied reverse Voltage of 4.0V D.C
 2. Reverse Recovery Time test condition If=0.5A , Ir=1.0A , IRR=0.25A
 3. Thermal Resistance Junction to CASE

SUPERFAST RECOVERY RECTIFIER

RATINGS AND CHARACTERISTIC CURVES MURF1605CT THRU MURF1660CT

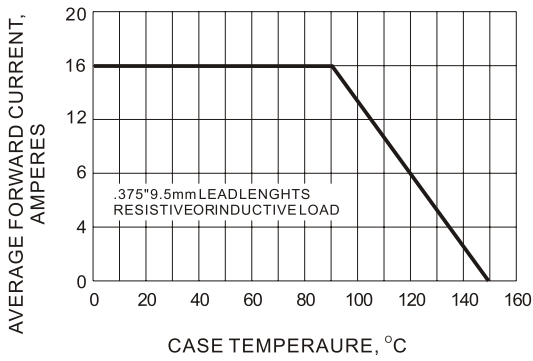


Fig. 1- FORWARD CURRENT DERATING CURVE

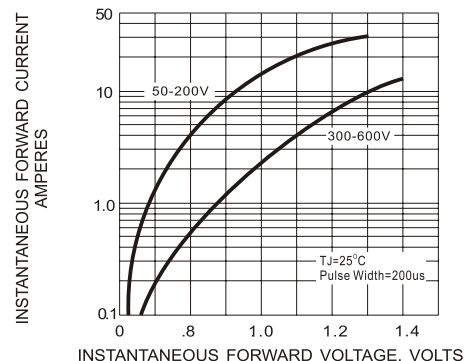


Fig. 2- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

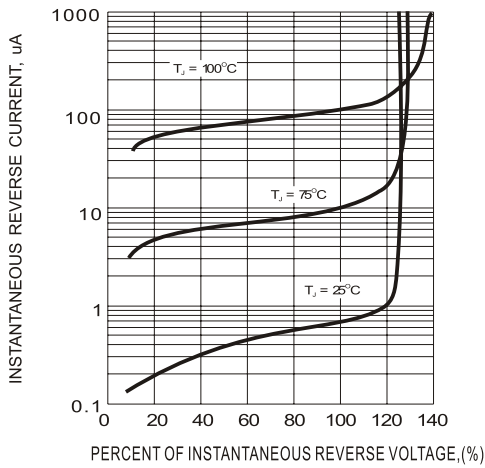


Fig. 3- TYPICAL REVERSE CHARACTERISTIC

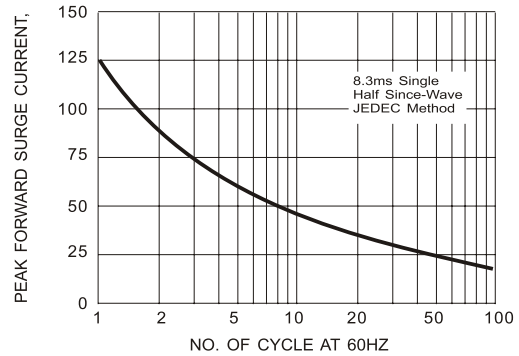


Fig. 4- TMAXIMUM NON - REPETITIVE SURGE CURRENT

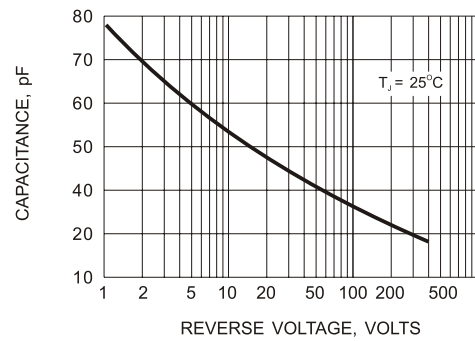


Fig. 5- TYPICAL JUN CTI ON CAPACITANCE