

MURF1620CT

PRV : 200 Volts

Io : 16 Ampere

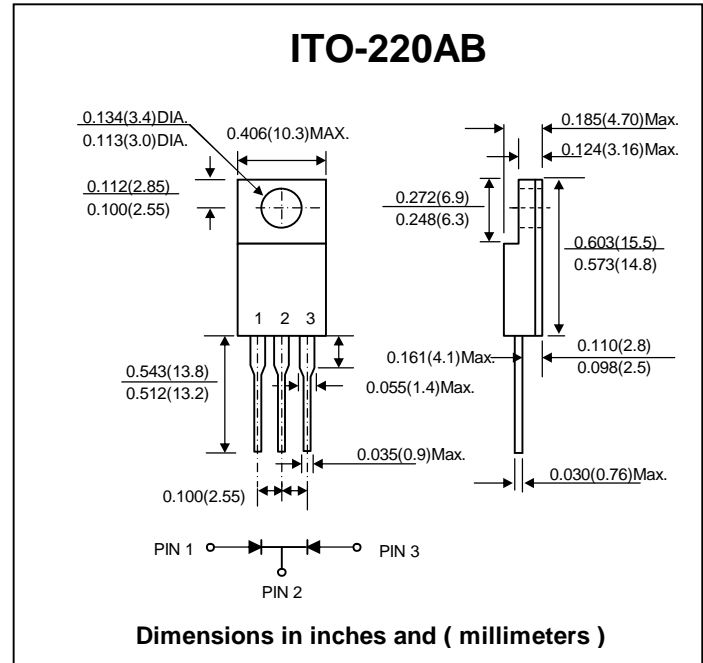
FEATURES :

- * Ideally suited for free wheeling diode power factor correction applications
- * Soft recovery characteristics
- * Excellent high temperature switching
- * Glass passivated chip junction
- * **Pb / RoHS Free**

MECHANICAL DATA :

- * Case : Epoxy, Molded
- * Lead Temperature for Soldering Purposes: 260°C Max. for 10 Seconds
- * Polarity: As marked
- * Mounting Position: Any
- * Weight : 2.24 grams (Approximately)

Dual Ultrafast Plastic Rectifiers



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (Tc =25°C unless otherwise specified.)

RATING	SYMBOL	VALUE	UNIT
Maximum Repetitive Peak Reverse Voltage	VRRM	200	V
Maximum Working Peak Reverse Voltage	VRWM	200	V
Maximum DC Blocking Voltage	VDC	200	V
Maximum Average Forward Current, Tc = 100°C	IF(AV)	8.0	A
		16 (Total Device)	
Maximum Non-repetitive Peak Surge Current (Surge applied at rated load conditions halfwave, single phase, 60 Hz)	IFSM	100	A
Maximum Instantaneous Forward Voltage per Leg at IF = 8 A, Tc = 25°C IF = 8 A, Tc = 150°C	VF	0.975	V
		0.895	
Maximum Instantaneous Reverse Current (Rated dc Voltage)	IR	5.0 (Tc = 25°C)	µA
	IR(H)	250 (Tc = 100°C)	µA
Maximum Reverse Recovery Time (IF = 0.5A, IR = 1.0A, Irr = 0.25A)	Trr	25	ns
Maximum Thermal Resistance, Junction to Case	RθJC	4.2	°C/W
Operating storage and temperature range	TJ, TSTG	- 65 to + 150	°C

RATING AND CHARACTERISTIC CURVES (MURF1620CT)

FIG.1 - MAXIMUM FORWARD CURRENT DERATING CURRENT

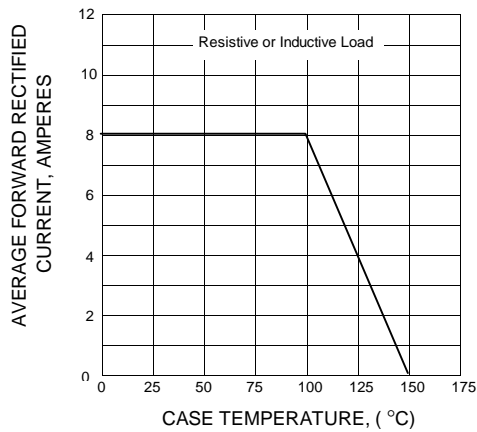


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

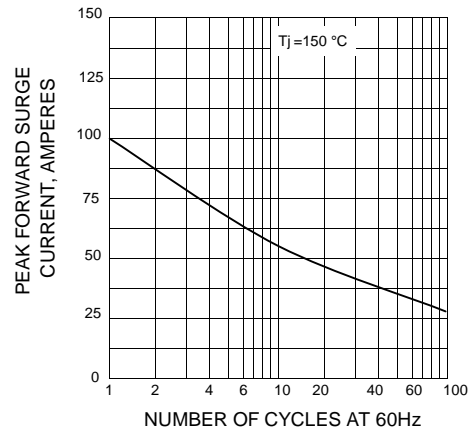


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

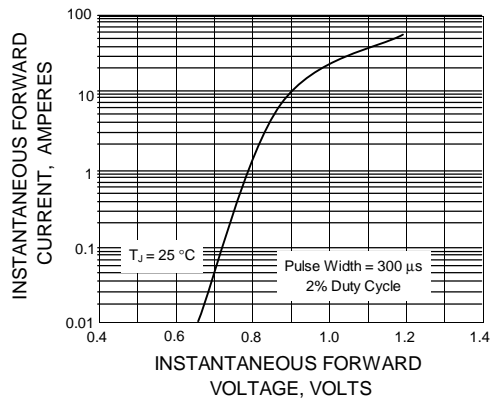


FIG. 4 - TYPICAL REVERSE LEAKAGE CHARACTERISTICS

