

10GWJ2CZ47C

PRV : 40 Volts
Io : 10 Ampere

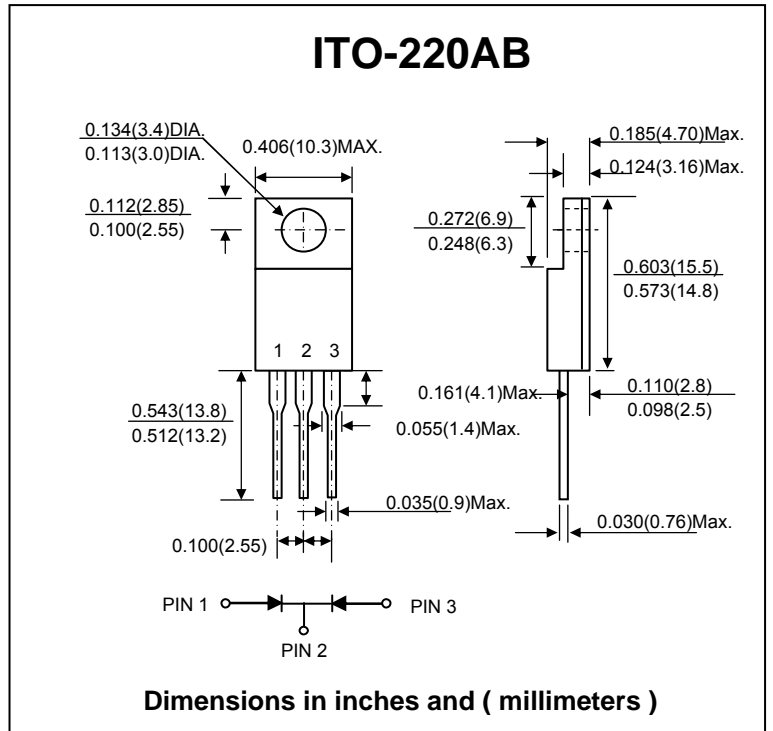
FEATURES :

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

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)

SCHOTTKY BARRIER RECTIFIER



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

RATING	SYMBOL	VALUE	UNIT
Maximum Repetitive Peak Reverse Voltage	VRRM	40	V
Maximum Repetitive Peak Reverse Surge Voltage	VRSM	48	
Maximum Average Forward Current	IF(AV)	10	A
Maximum Non-repetitive Peak One Cycle Surge Forward Current (Sine Wave)	IFSM	100 (50Hz) 110 (60Hz)	A
Maximum Instantaneous Forward Voltage IFM = 5 A	VFM	0.55	V
Maximum Repetitive Peak Reverse Current	IRRM	3.5	mA
Maximum Thermal Resistance	RθJC	3.0	°C/W
Operating storage and temperature range	TJ, TSTG	- 40 to + 150	°C

RATING AND CHARACTERISTIC CURVES (10GWJ2CZ47C)

FIG.1 - MAXIMUM FORWARD CURRENT DERATING CURRENT

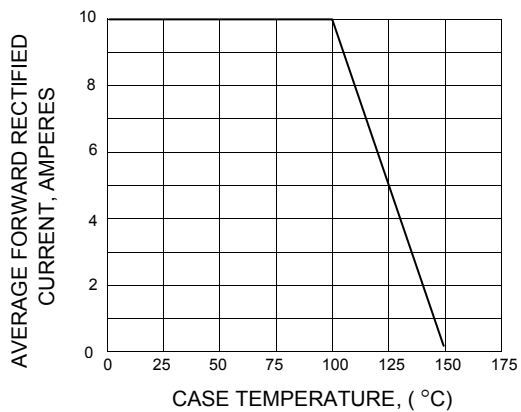


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

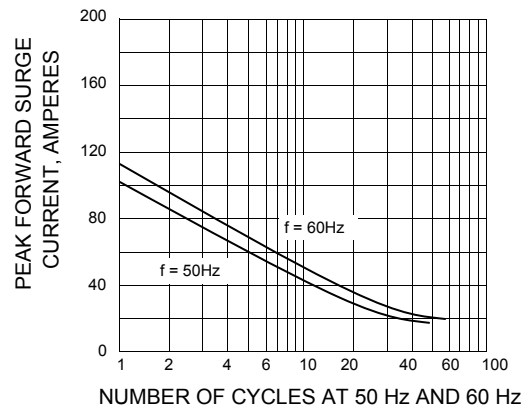


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

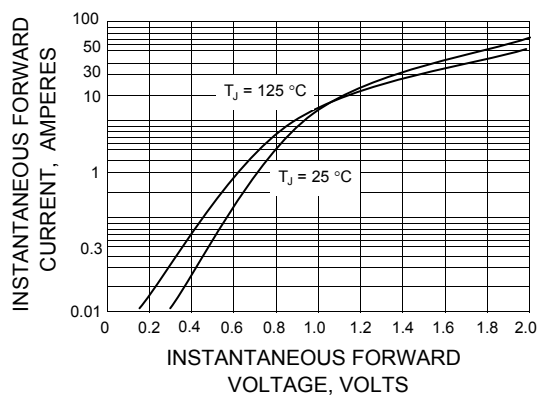


FIG. 4 - TYPICAL JUNCTION CAPACITANCE PER LEG

