

GLASS PASSIVATED SILICON RECTIFIER

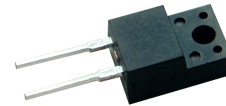
VOLTAGE RANGE 600 Volts CURRENT 10.0 Amperes

FEATURES

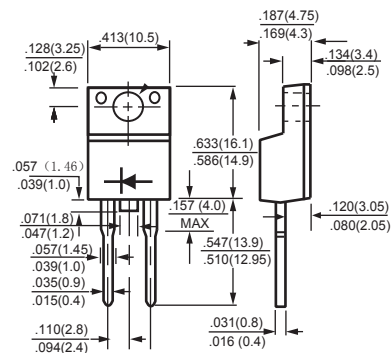
- * Low leakage
- * Low forward voltage drop
- * High current capability
- * High surge capability
- * High reliability

MECHANICAL DATA

- * Case: ITO-220A molded plastic
- * Epoxy: Device has UL flammability classification 94V-0
- * Mounting position: Any



ITO-220AC



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

RATINGS	SYMBOL	MUR1060	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	600	Volts
Maximum RMS Voltage	VRMS	420	Volts
Maximum DC Blocking Voltage	VDC	600	Volts
Maximum Average Forward Rectified Current at TC = 90 °C	IO	10	Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	100	Amps
Typical Current Squared Time	I ² t	41.5	A ² S
Typical Thermal Resistance (Note 1)	RθJC	4.0	°C/W
	RθJA	8.3	
Operating and Storage Temperature Range	TJ, TSTG	-55 to + 150	°C

ELECTRICAL CHARACTERISTICS (@TA=25 °C unless otherwise noted)

CHARACTERISTICS	SYMBOL	MUR1060	UNITS
Maximum Instantaneous Forward Voltage at 10.0A DC	VF	2.0	Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage	IR	@TA = 25°C	1.0
		@TA = 150°C	800
Reverse recovery time(Note 2)	Trr	35	nS

- NOTES : 1. Thermal Resistance : Heat-sink case mounted or if PCB mounted.
2. Test Conditions: IF= 0.5A, IR= -1.0A, IRR= -0.25A.
3. " ROHS compliant".
4. Available in Halogen-free epoxy by adding suffix -HF after the part nbr.

RATING AND CHARACTERISTICS CURVES (MUR1060)

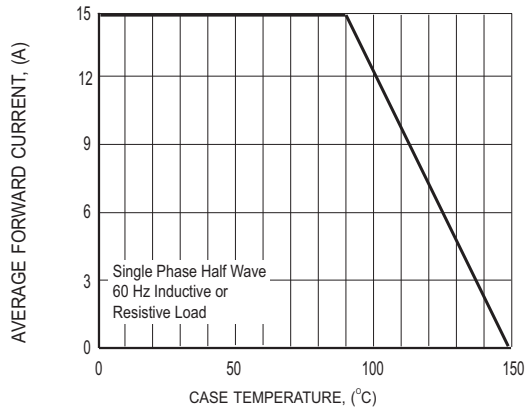


FIG.1 TYPICAL FORWARD CURRENT DERATING CURVE

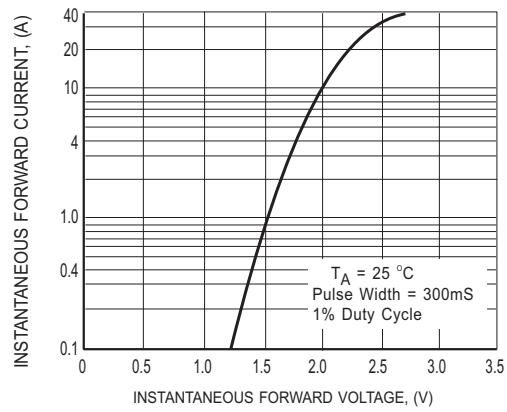


FIG.2 MAXIMUM INSTANTANEOUS FORWARD CHARACTERISTICS

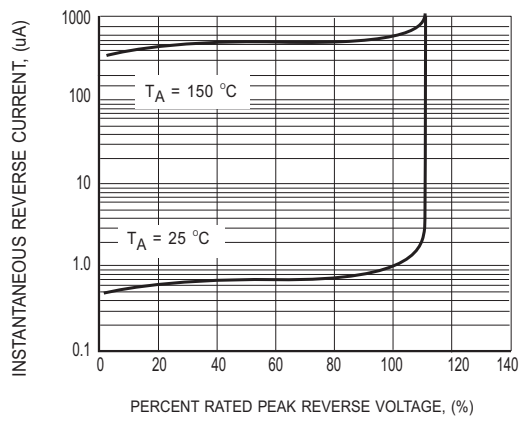


FIG.3 MAXIMUM REVERSE CHARACTERISTICS

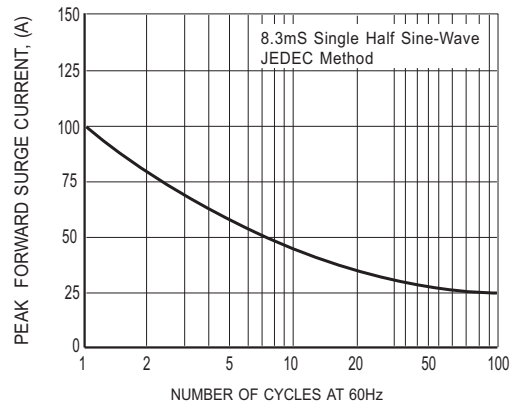


FIG.4 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

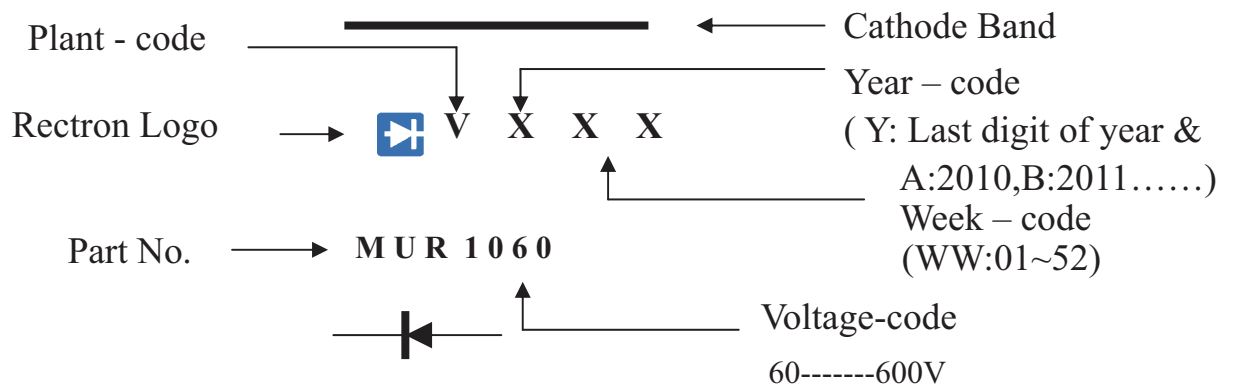


Attachment information about MUR1060

1. Internal Circuit



2. Marking on the body



PACKAGING OF DIODE AND BRIDGE RECTIFIERS

TUBE PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	WEIGHT(Kg)
(I)TO-220/TO-220(A)	-C	2,000	550*140*92	572*308*120	4,000	11.80

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