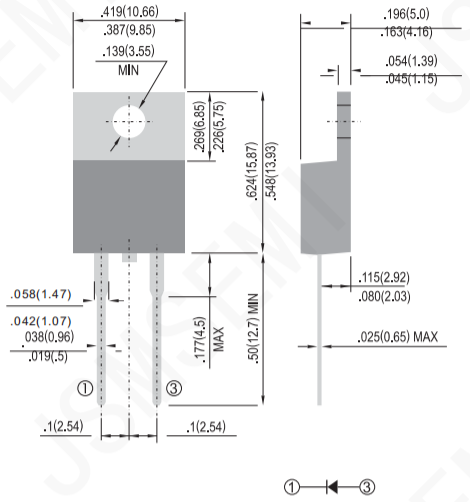
CURRENT: 20A **VOLTAGE:** 600 V

FEATURES

- Superfast recovery times-epitaxial construction.
- Low forward voltage, high current capability.
- Exceeds environmental standards of MIL-S-19500/228.
- Hermetically sealed.
- Low leakage.
- High surge capability.
- Plastic package has Underwriters Laboratories Flammability Classification 94V-O utilizing Flame Retardant Epoxy Molding Compound.
- In compliance with EU RoHS 2002/95/EC directives

MECHANICALDATA

- Case: Molded plastic, TO-220AC
- Terminals: Axial leads, solderable to MIL-STD-750,Method 2026
- Polarity: As marking
- Weight: 0.0655 ounces, 1.859 grams.



TO-220AC

Unit:inch(mm)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.Resistive or inductive load, 60Hz.

PARAMETER	SYMBOL	MUR2060G	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	600	V
Maximum RMS Voltage	VRMS	420	V
Maximum DC Blocking Voltage	VDC	600	V
Maximum Average Forward Current at T_C=75℃	IF(AV)	20	A
Peak Forward Surge Current,8.3ms single half sine-wave superimpose don rated load(JEDECmethod)	IFSM	150	A
Maximum Forward Voltage at 8.0A (Note1)	VF	1.75	V
Maximum DC Reverse Current T_J=25℃ at Rated DC Blocking Voltage T_J=100℃	IR	1.0 300	μA
Maximum Reverse Recovery Time (Note1)	trr	35	ns
Typica lJunction capacitance(Note2)	CJ	65	PF
Typical thermal Resistance(Note3)	RθJC	3.0	℃ / W
Operating Junction and Storage Temperature Range	TJ,TSTG	-55 to+150	℃

NOTES:

1. Pulse Test with PW=300 usec, 2% Duty Cycle.
2. Reverse Recovery Tset Conditions:I_F=0.5A,I_R=1.0A,Irr=0.25A
3. Mounted on P.C. Board with 14mm2 (.013mm thick) copper pad areas.

RATING AND CHARACTERISTIC CURVES

Fig.1-FORWARD CURRENT DERATING CURVE

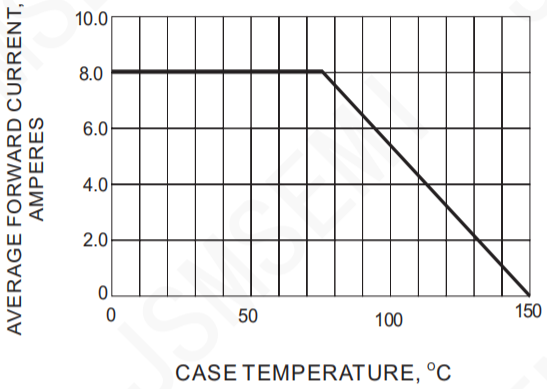


Fig.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

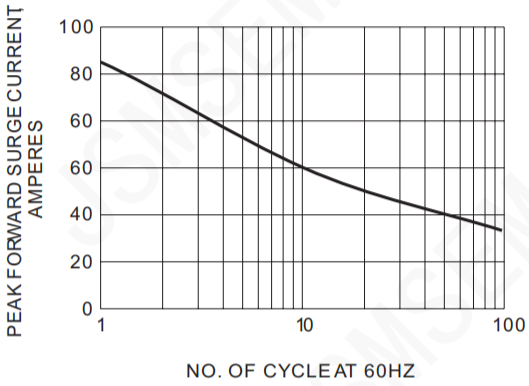


Fig.3-TYPICAL REVERSE CHARACTERISTICS

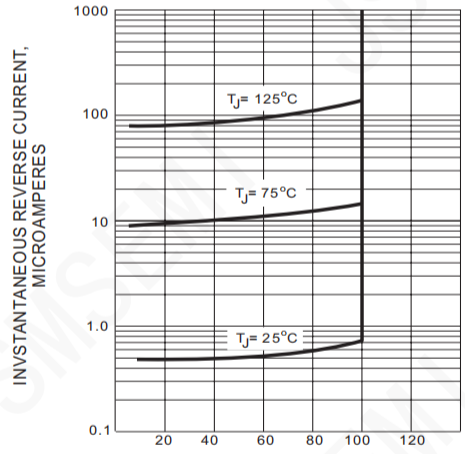


Fig.4-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS