MUR460C

GLASS PASSIVATED JUNCTION
Ultra fast Plastic Rectifiers

VOLTAGE: 600V **CURRENT: 4.0A**

VOLTARISTECH INC.
POWER • PRECISION • INNOVATION

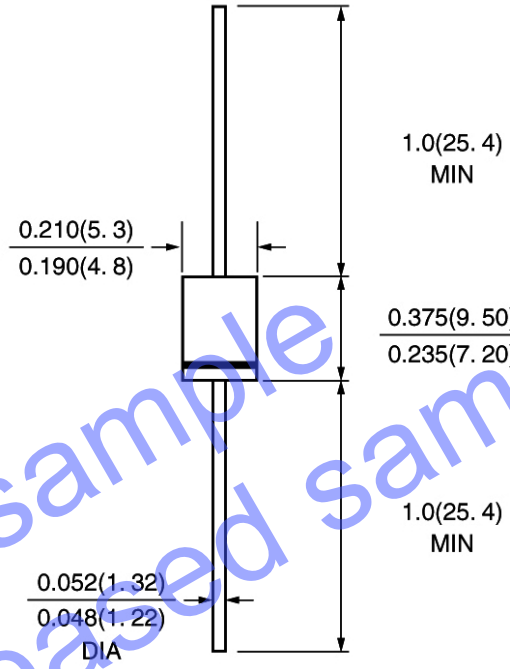
FEATURE

- Plastic package has Underwriters Laboratories Flammability Classification 94V-0
- Ideally suited for use in very high frequency switching power supplies, inverters and as free wheeling diodes
- Ultra fast recovery time for high efficiency
- Excellent high temperature switching
- Glass passivated junction
- High temperature soldering guaranteed: 260°C/10 seconds, 0.375" (9.5mm) lead length,5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: JEDEC DO-201AD molded plastic body over passivated chip
Terminals: Plated axial leads, solderable per J-STD-002
Polarity: Color band denotes cathode end
Mounting Position: Any

DO-201AD



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60Hz, resistive or inductive load rating at 25℃, unless otherwise stated)

	Symbol	MUR460C	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 Rectified	If(av)	4.0	A
Non-repetitive Peak Forward Surge Current 8.3ms 10ms	Ifsm	110 100	A
Maximum Forward Voltage IF=4.0A Tj=25℃ IF=3.0A Tj=25℃ IF=3.0A Tj=150℃	Vf	1.28 1.25 1.05	V
Maximum Reverse Recovery Time (Note 1)	Trr	50	nS
Maximum DC Reverse Current Tj =25℃ at rated DC blocking voltage Tj =150℃	Ir	10 250	μA
Typical thermal resistance junction to ambient (Note 2)	Rth(ja)	28	℃/W
Storage and Operating Temperature Range	Tstg, Tj	-55 to +175	℃

Note:
1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A
2. Lead length = 1/2" on P.C. board with 1.5" x1.5" copper surface

Fig. 1 – Forward Current Derating Curve

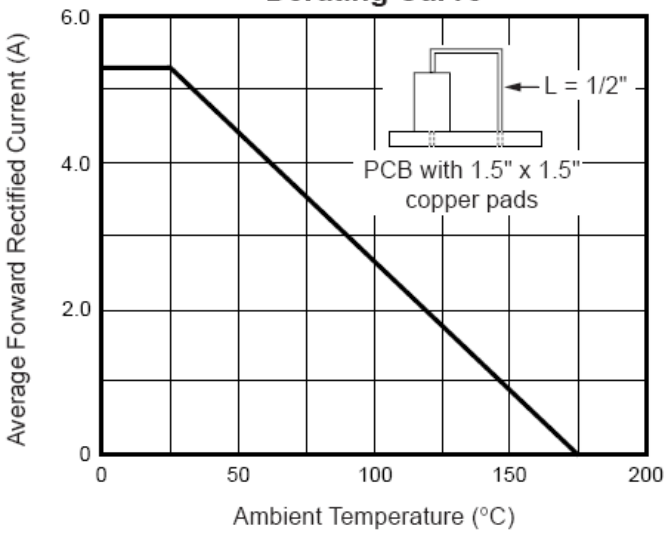


Fig. 2 – Maximum Non-Repetitive Peak Forward Surge Current

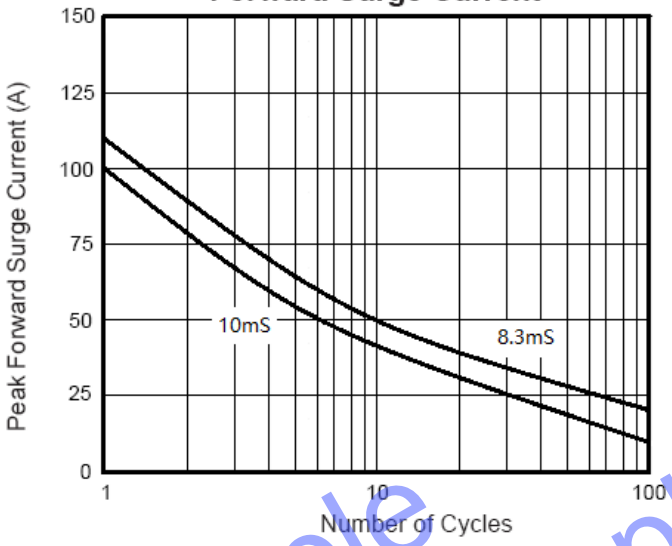


Fig. 3 – Typical Instantaneous Forward Characteristics

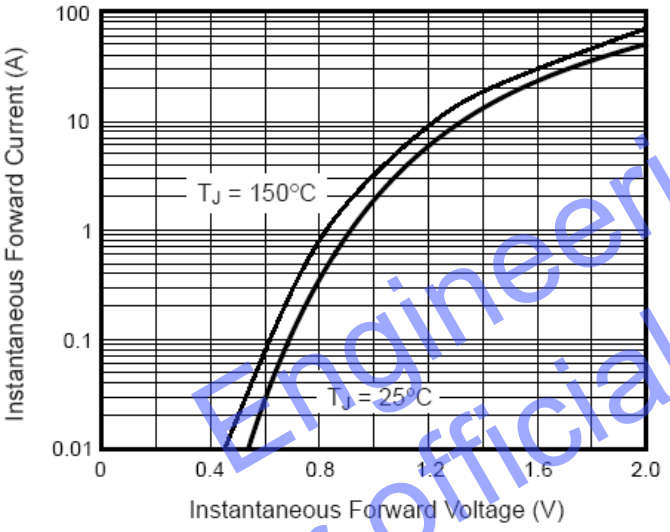


Fig. 4 – Typical Reverse Characteristics

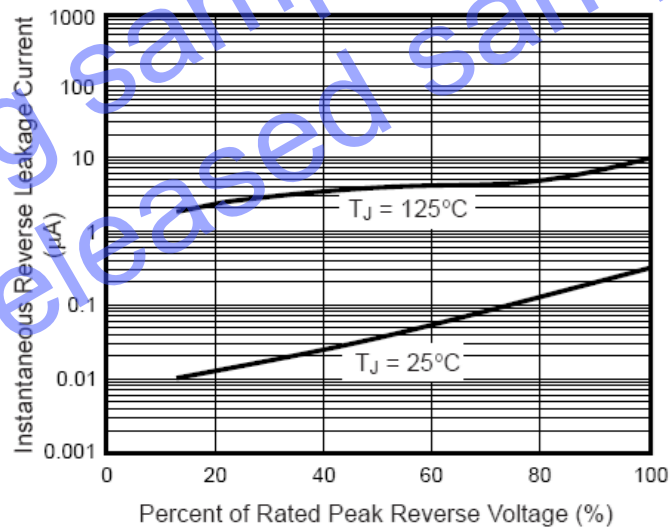


Fig. 5 – Typical Junction Capacitance per Leg