

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

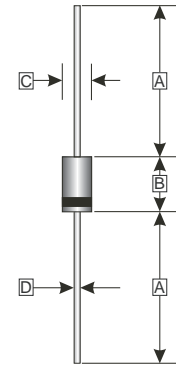
FEATURES

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability
- High speed switching

PACKAGING INFORMATION

- Case: Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Axial leads, solderable per MIL-STD-202, method 208 guaranteed
- Polarity: Color band denotes cathode end
- Mounting position: Any
- Weight: 1.1050 grams (approximately)

DO-27



REF.	Millimeter	
	Min.	Max.
A	25.4 (TYP)	
B	7.20	9.53
C	5.00	5.60
D	1.20	1.32

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

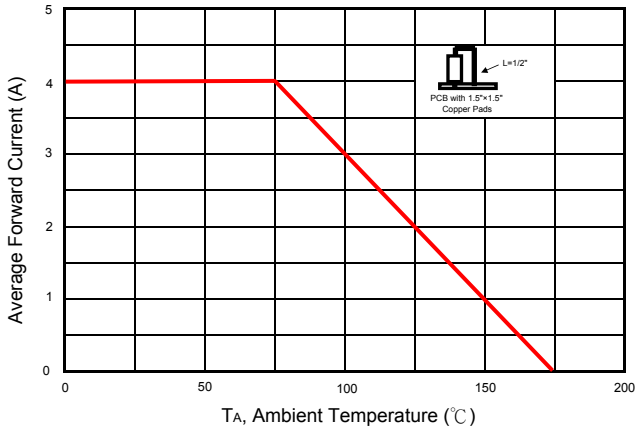
TYPE NUMBER	SYMBOL	MUR460	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	600	V
Working Peak Reverse Voltage	V_{RWM}	600	V
Maximum DC Blocking Voltage	V_{DC}	600	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	4	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	150	A
Maximum Instantaneous Forward Voltage (Note3)	V_F	1.28 1	V
Maximum DC Reverse Current at Rated DC Blocking Voltage (Note3)	I_R	5 250	μA
Typical Junction Capacitance (Note 1)	C_J	40	pF
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$	28	°C / W
Maximum Reverse Recovery Time @ $I_F=0.5A, I_R=1A, I_{rr}=0.25A$	t_{rr}	50	nS
Operating Temperature Range T_J	T_J	-50 ~ +175	°C
Storage Temperature Range T_{STG}	T_{STG}	-65 ~ +175	°C

NOTES:

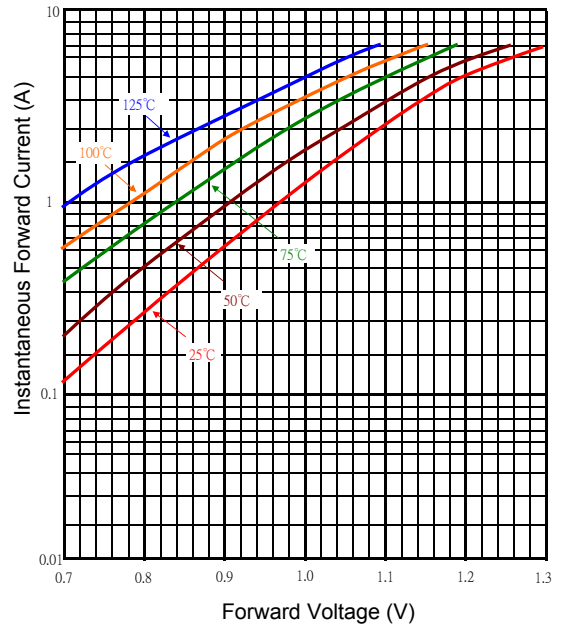
1. Measured at 1MHz and applied reverse voltage of 5.0V D.C.
2. Thermal Resistance Junction to Ambient. Lead length = 1/2" on P.C. board with 1.5" x1.5" copper surface
3. Pulse Test: Pulse Width =300uS, Duty Cycle ≤2%

RATINGS AND CHARACTERISTIC CURVES

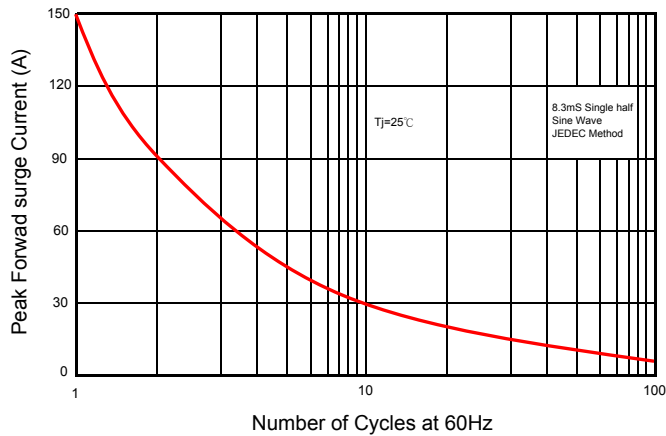
Typical Forward Current Derating



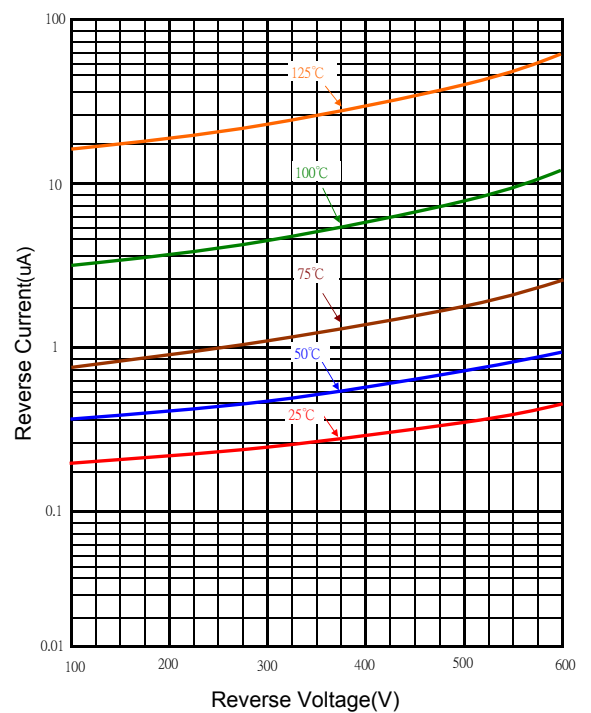
Typical Forward Characteristic



Maximum Non- Repetitive Forward Surge Current



Typical Reverse Characteristic



Typical Junction Capacitance

