

CURRENT 20 Ampere
 VOLTAGE RANG 200 to 1000 Volts

MUR2020AC THRU MUR20100AC

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O. Flame Retardant Epoxy Molding Compound.
- Low power loss, high efficiency.
- Low forward voltage, high current capability
- High surge capacity.
- Super fast recovery times, high voltage.
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case: TO-220AC Molded plastic
- Terminals: Lead solderable per MIL-STD-750, Method 2026
- Polarity: As marked.
- Standard packaging: Any
- Weight: 0.067 ounces, 1.89 grams.

MAXIMUM RATING 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%

PARAMETER	SYMBOL	MUR 2020AC	MUR 2040AC	MUR 2060AC	MUR 2080AC	MUR 20100AC
Maximum Recurrent Peak Reverse Voltage	V_{RRM}					
Maximum RMS Voltage	V_{RMS}					
Maximum DC Blocking Voltage	V_{DC}					
Maximum Average Forward Current at $T_c = 100^\circ\text{C}$	$I_{F(AV)}$			20		A
				200		A
Maximum Forward Voltage at 20A, per element	V				10	

NOTES:

1. Measured at 1 MHz and applied reverse voltage of 4 VDC.
2. Reverse Recovery Test Conditions: $I_F=0.5\text{A}$, $I_R=1\text{A}$, $I_{rr}=0.25\text{A}$.
3. Both Bonding and Chip structure are available.

FIG.6- REVERSE
50Ω
NONINDUCTIVE

10