MUR460-E

GLASS PASSIVATED JUNCTION Ultra fast Plastic Rectifiers CURRENT: 4.0A



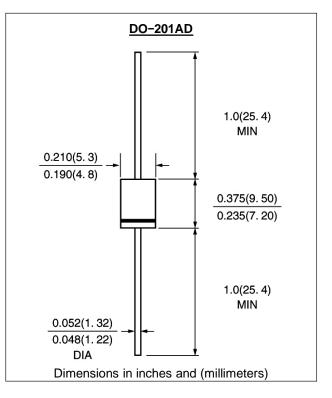
VOLTAGE: 600V

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: 250°C/10 seconds, 0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension Halogen Free

MECHANICAL DATA

Case: JEDEC DO-201AD molded plastic body over passivated chip Terminals: Plated axial leads, solderable per MIL-STD-750, Method 2026 Polarity: Color band denotes cathode end Mounting Position: Any Weight: 0.045 oz., 1.2 g



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

| | SYMBOL | MUR460-E | 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 | lf(av) | 4.0 | A |
| Peak Forward Surge Current 8.3ms single half sine- wave superimposed on rated load | lfsm | 150 | A |
| Maximum Forward Voltage at rated Forward Current and 25°C | Vf | 1.28 | V |
| Maximum Reverse Recovery Time (Note 1) | Trr | 45 | nS |
| Typical thermal resistance junction to ambient (Note 2) | Rth(ja) | 28 | C/W |
| Maximum DC Reverse Current Ta =25°C | lr | 10 | μΑ |
| at rated DC blocking voltage Ta =125°C | | 100 | |
| Storage and Operating Temperature Range | Tstg, Tj | -55 to +150 | °C |

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RATINGS AND CHARACTERISTIC CURVES MUR460-E

