# **MUR460-E**

## **GLASS PASSIVATED JUNCTION Ultra fast Plastic Rectifiers** CURRENT: 4.0A



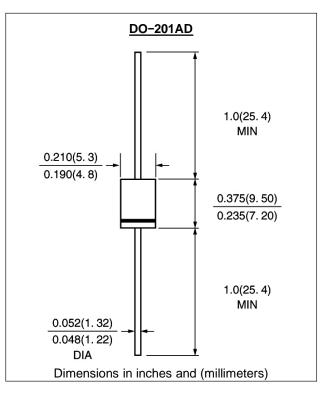
VOLTAGE: 600V

## **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

