



MUR320 THRU MUR360

ULTRA FAST RECTIFIERS

Reverse Voltage - 200 to 600 Volts Forward Current - 3.0 Amperes

FEATURES

The plastic package carries Underwriters Laboratory
Flammability Classification 94V-0
Ultra fast switching for high efficiency
Low reverse leakage
High forward surge current capability
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

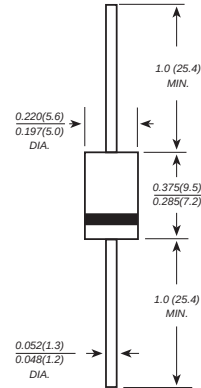
Terminals: Plated axial leads, solderable per MIL-STD-750,
Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.04 ounce, 1.10 grams

DO-201AD



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

	SYMBOLS	MUR320	MUR330	MUR340	MUR360	UNITS
Maximum repetitive peak reverse voltage	V _{RRM}	200	300	400	600	VOLTS
Maximum RMS voltage	V _{RMS}	140	210	280	420	VOLTS
Maximum DC blocking voltage	V _{DC}	200	300	400	600	VOLTS
Maximum average forward rectified current 0.375”(9.5mm) lead length at T _A =65°C	I _(AV)	3.0				Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	70.0				Amps
Maximum instantaneous forward voltage at 3.0A	V _F	0.89	1.28			Volts
Maximum DC reverse current T _A =25°C at rated DC blocking voltage T _A =100°C	I _R	5.0 100.0				μA
Maximum reverse recovery time (NOTE 1)	t _{rr}	25	50			ns
Typical thermal resistance (NOTE 2)	R _{θJA}	28.0				°C/W
Operating junction and storage temperature range	T _J ,T _{STG}	-55 to +150				°C

Note: 1. Reverse recovery condition $I_F=0.5\text{A}$, $I_R=1.0\text{A}$, $I_{rr}=0.25\text{A}$

2. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted

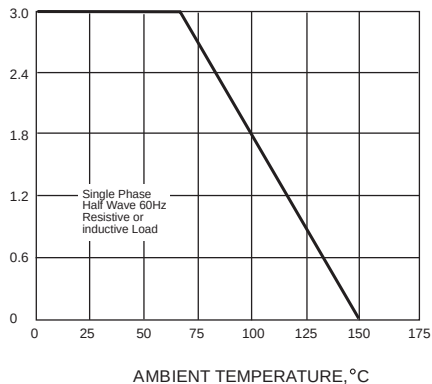


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RATINGS AND CHARACTERISTIC CURVES MUR320 THRU MUR360

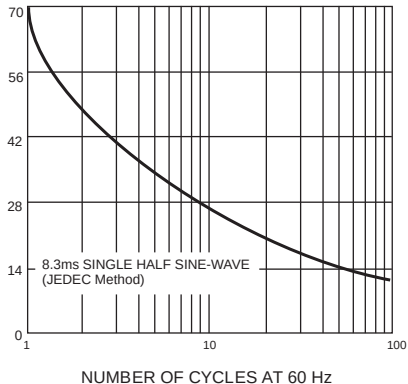
AVERAGE FORWARD RECTIFIED CURRENT,
AMPERES

FIG. 1- FORWARD CURRENT DERATING CURVE



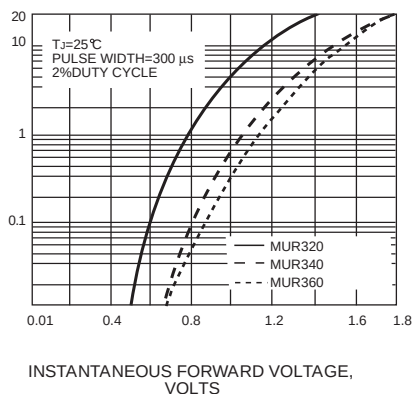
PEAK FORWARD SURGE CURRENT,
AMPERES

FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



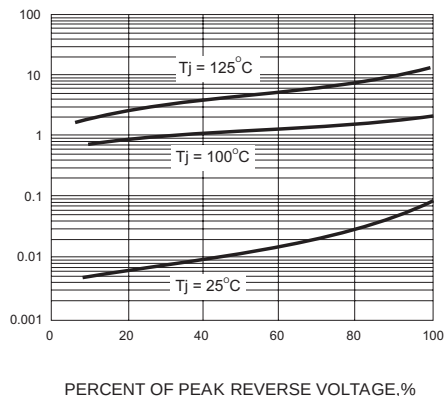
INSTANTANEOUS FORWARD
CURRENT, AMPERES

FIG. 3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS



INSTANTANEOUS REVERSE CURRENT,
MICROAMPERES

FIG. 4-TYPICAL REVERSE CHARACTERISTICS



单击下面可查看定价，库存，交付和生命周期等信息

[>>ZG\(中鑫半导体\)](#)