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MUR620AX ULTRAFAST RECTIFIERS

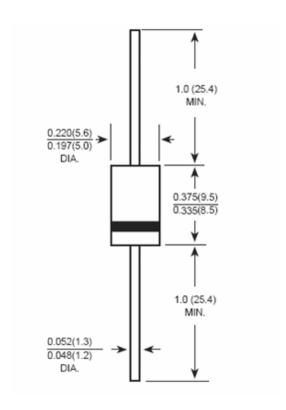
Applications:

- Switching Power Supply
- Power Switching Circuits
- General Purpose

Features:

- Low forward voltage drop
- · High current capability
- · High reliability
- High Surge Current Capability
- Plastic Case Material has UL Flammability Classification Rating 94V-O
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Mechanical Dimensions: In Inches / mm



DO-201AD

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Marking Diagram:



Where XXXXX is YYWWL

MUR = Device Type

6 = Forward Current (6A) 20 = Reverse Voltage (200V)

AX = Configuration

SSG = SSG YY = Year WW = Week L = Lot Number

Cautions: Molding resin

Epoxy resin UL:94V-0

Ordering Information:

Device	Package	Shipping
MUR620AX	DO-201AD (Pb-Free)	1250pcs / tape

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specification.

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Maximum Ratings and Electrical Characteristics

@T_A=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	MUR620AX	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	200	V
Average Rectified Output Current @T _A = 105°C	lo	6.0	Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	80	Α
Forward Voltage (per element) @I _F = 6.0A, T _J =25°C	V_{FM1}	0.975	V
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 125°C	I _R	10 500	μΑ
Maximum Reverse Recovery Time (Note 1)	Trr	35	ns
Typical Thermal Resistance Junction to Ambient (Note 2)	Reja	25	K/W
Typical Junction Capacitance (Note 3)	C _J	80	pF
Max. Storage Temperature	T _{STG}	-55 to +150	°C
Max. Junction Temperature	TJ	-55 to +150	°C
Approximate Weight	wt	1.02	g
Case Style	DO-201AD		

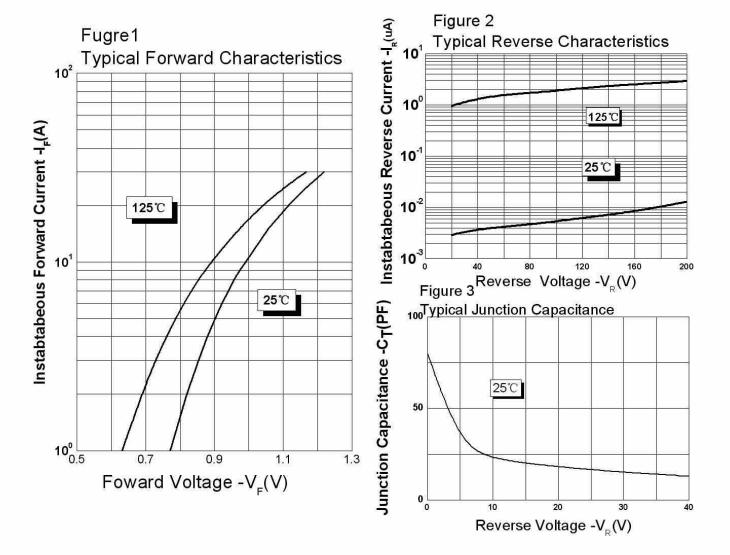
Note: 1. Measured with I_F =0.5A; I_R =1.0A; I_{RR} =0.25A.

- 2. Mount on Cu-Pad Size 16mm×16mm on P.C.B.
- 3. Measured at 1.0MHz and applied reverse voltage of 4.0V D.C

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MUR620AX

Technical Data
Data Sheet N0141, Rev. -

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