

Super Fast Recovery Rectifier - 4Amp 600Volt

Features

- High Current Capability
- Low Switching Noise
- High Surge Capability
- Low Power Loss, High Efficiency

Applications

- Power Factor Correction(PFC)
- AC/DC Converters
- DC/AC Inverters

Maximum ratings

Rating	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	VRRM	600	V
Working Peak Reverse Voltage	VRWM	420	V
DC Blocking Voltage	VDC	600	V
Average Forward Current	IF(AV)	4	A
Non-Repetitive Peak Forward Surge Current	IFSM	80	A
Operating and Storage Temperature	TJ, Tstg	-65 to +150	°C

Electrical characteristics

Rating	Symbol	Value		Unit
Instantaneous Forward Voltage IF = 4.0A, TJ = 25 °C IF = 4.0A, TJ = 125 °C	VF	TYP.	MAX.	V
		1.25 0.95	1.30 1.00	
Instantaneous Reverse Current VR = 600V, TJ = 25 °C VR = 600V, TJ = 125 °C	IR	TYP.	MAX.	µA
		0.1 15	5 150	
Reverse Recovery Time IF = 0.5A, IR = 1.0A, IRR = 0.25A	trr	50		ns
Typical Thermal Resistance	RθJA	25		°C/W

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MUR460

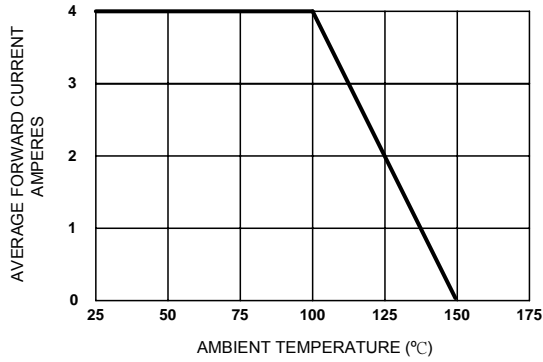


Figure 1. Forward Current Derating Curve

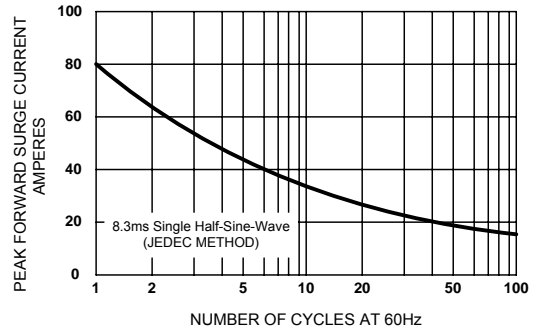


Figure 2. Maximum Non-repetitive Surge Current

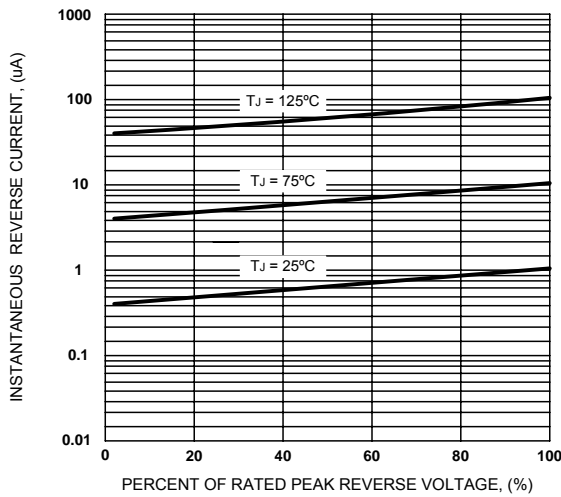


Figure 3. Typical Reverse Characteristics

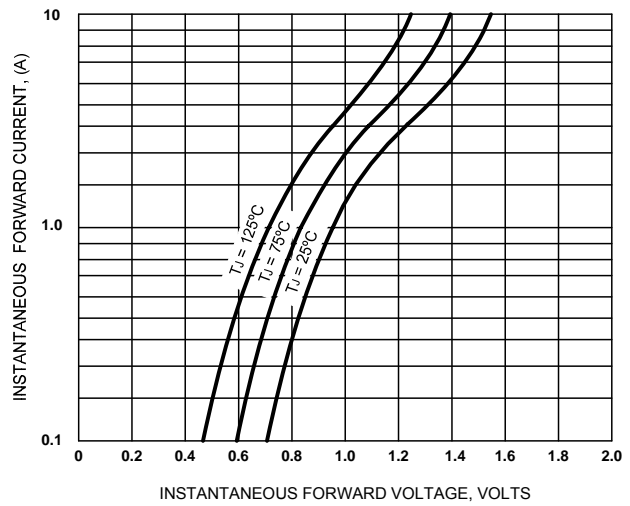


Figure 4. Typical Forward Characteristics

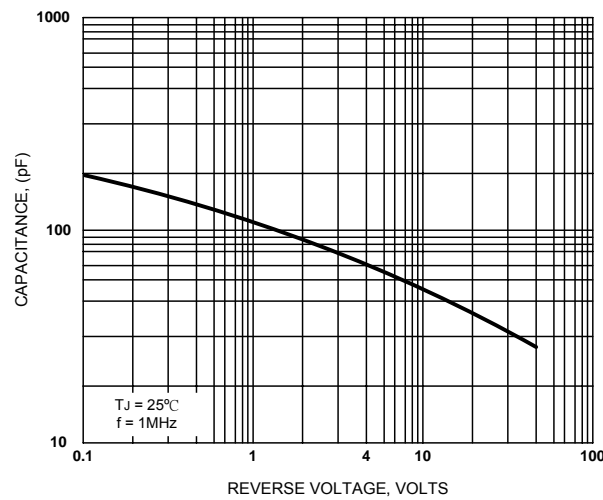
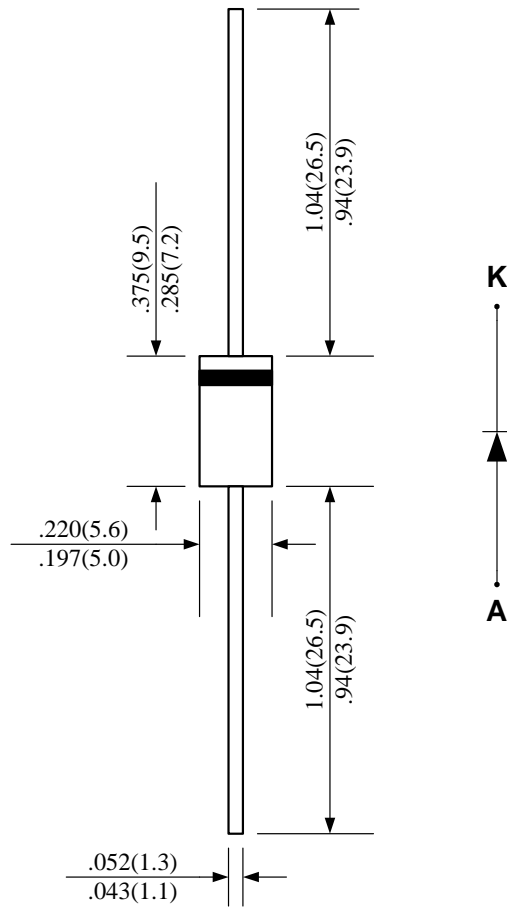


Figure 5. Typical Junction Capacitance

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DO-27 / DO-201AD



UNIT : inch(mm)

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