

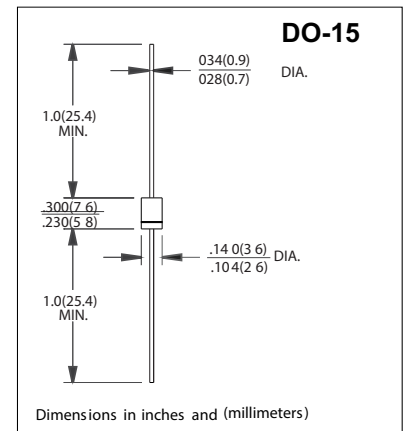
SUPER FAST RECTIFIER

FEATURES

- High reliability
- Low leakage
- Low forward voltage
- High current capability
- Super fast switching speed
- High surge capability
- Good for switching mode circuit

MECHANICAL DATA

- Case: Molded plastic
- Epoxy: Device has UL flammability classification 94V-0
- Lead: MIL-STD-202E method 208C guaranteed
- Mounting Position: Any
- Weight: 0.36 gram



MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

- Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

PARAMETER	SYMBOL	MUR220	MUR240	MUR260	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	200	400	600	Volts
Maximum RMS Voltage	VRMS	140	280	420	Volts
Maximum DC Blocking Voltage	VDC	200	400	600	Volts
Maximum Average Forward Rectified Current Ta=55°C	IO	2.0			Amps
Peak Forward Surge Current 8.3mS single half sine-wave superimposed on rated load(JEDEC method)	IFSM	50			Amps
Maximum Instantaneous Forward Voltage at 2.0A DC	VF	0.95	1.25	1.70	Volts
Maximum DC Reverse Current Rated DC Blocking Voltage	at	@TJ=25°C	5.0		uAmps
		@TJ=100°C	50.0		
Maximum Reverse Recovery Time(Note 1)	trr	35			nS
Typical Junction Capacitance (Note 2)	Cj	60	30		pF
Operating and Storage Temperature Range	TJ,Tstg	-65 to +150			°C

NOTE :

1. Test Conditions: IF=0.5A, IR=0.1A, IRR=0.25A 2. "Fully ROHS compliant", "100% Sn plating(Pb-free)"
2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

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RATINGS AND CHARACTERISTIC CURVES MUR220 - MUR260

FIG. 1- FORWARD CURRENT DERATING CURVE

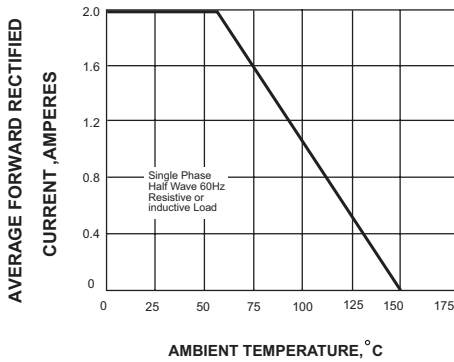


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

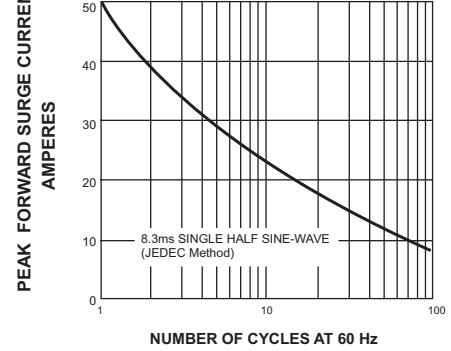


FIG. 3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

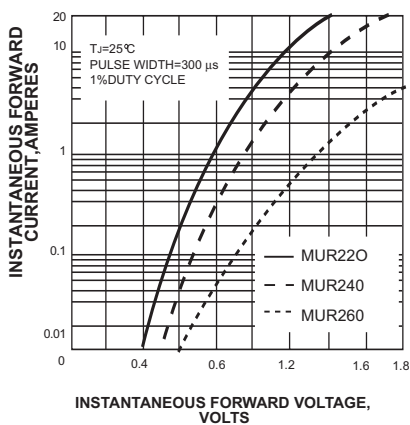


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

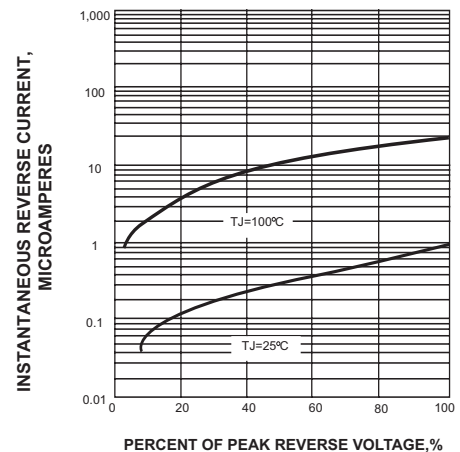


FIG. 5-TYPICAL JUNCTION CAPACITANCE

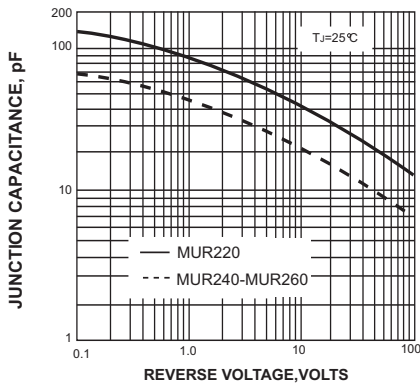
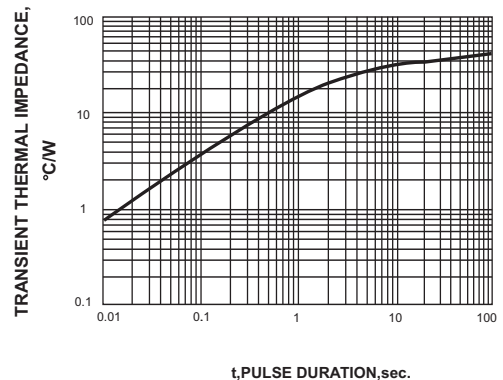


FIG. 6-TYPICAL TRANSIENT THERMAL IMPEDANCE



Disclaimer

All product, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise.