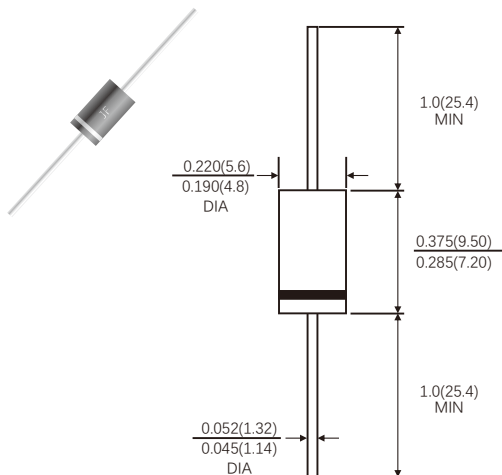


FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Low forward voltage drop
- High current capability, High reliability
- Low power loss, high efficiency
- High surge current capability
- High speed switching, Low leakage
- High temperature soldering guaranteed:260°C/10 seconds at terminals
- Component in accordance to RoHS 2015/863/EU

MECHANICAL DATA

- Case: JEDEC DO-201AD molded plastic body
- Epoxy: UL94V-0 rate flame retardant
- Lead: Plated axial leads, solderable per MIL-STD-750,method 2026
- Polarity: Color band denotes cathode end
- Mounting Position: Any
- Weight: 0.042ounce, 1.19 grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating at 25°C ambient temperature unless otMURwise specified. Single phase ,half wave ,60Hz,resistive or inductive load. For capacitive load, derate current by 20%.)

Parameters		Symbols	MUR 405	MUR 410	MUR 420	MUR 430	MUR 440	MUR 450	MUR 460	MUR 480	Units
Maximum Recurrent Peak Reverse Voltage		VRRM	50	100	200	300	400	500	600	800	Volts
Maximum RMS Voltage		VRMS	35	70	140	210	280	350	420	550	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	300	400	500	600	800	Volts
Maximum Average Forward Rectified Current 0.375"(9.5mm)lead length		I(AV)	4.0								AmpS
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		IFSM	150								Amps
Maximum Instantaneous Forward Voltage at 4.0 A		VF	1.0			1.28			1.85		Volts
Maximum DC Reverse Current at rated DC blocking voltage	TJ=25°C	IR	5.0								μA
	TJ=100°C		50								
Maximum reverse recovery time(Note1)		Trr	45			50			75		ns
Typical junction capacitance(Note2)		CJ	50								pF
Operating junction and storage temperature range		TJ TSTG	-55 to+150								°C

Note: 1.Test conditions: $I_F=0.5A, I_R=1.0A, I_{RR}=0.25A$.

2.Measured at 1MHZ and applied reverse voltage of 4.0 Volts.

RATINGS AND CHARACTERISTIC CURVES MUR405 THRU MUR480

FIG.1-TEST CIRCUIT DIAGRAM AND REVERSE RECOVERY TIME CHARACTERISTIC

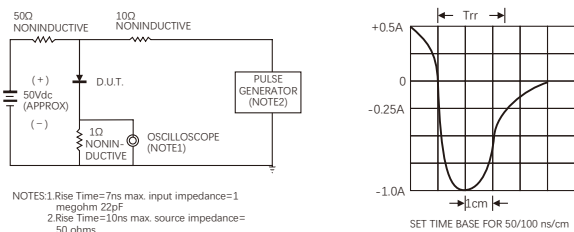


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

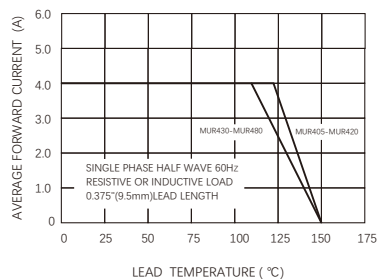


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

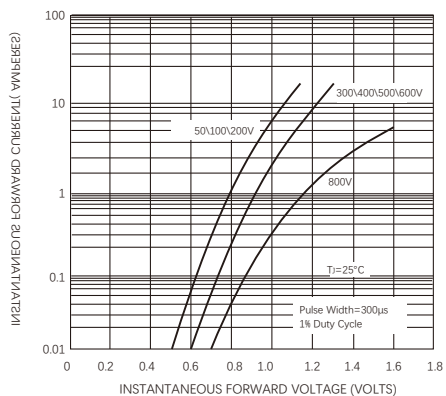


FIG.4-TYPICAL REVERSE CHARACTERISTICS

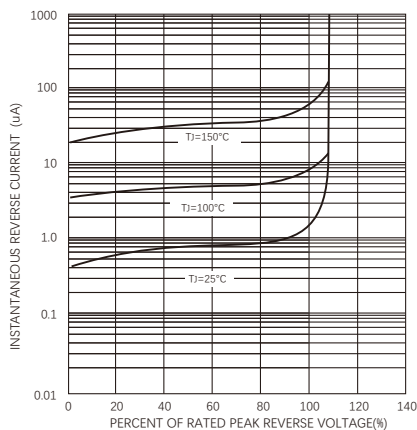


FIG.5-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

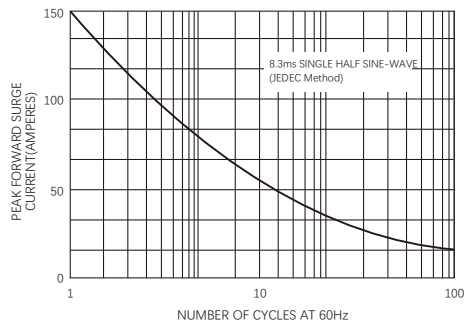
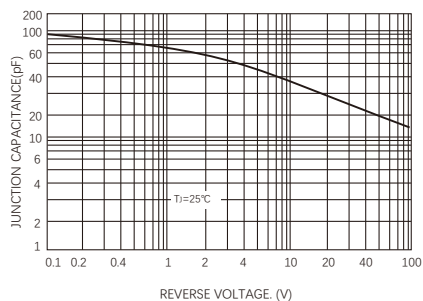


FIG.6-TYPICAL JUNCTION CAPACITANCE



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