



MUR4020PT - MUR4060PT

Features:

- ☐ High Surge Capability
- ☐ Low Forward Voltage Drop
- ☐ High Current Capability
- ☐ Super Fast Switching Speed For High Efficiency



TO-247



1. Anode 2. Cathode 3. Anode

Absolute Maximum Ratings (Ta=25°C unless otherwise noted)

Rating	Symbol	MUR4020PT	MUR4040PT	MUR4060PT	Unit
Maximum Repetitive Reverse Voltage	VRRM	200	400	600	V
DC Blocking Voltage	VDC	200	400	600	V
Maximum Average Forward Current	IAV	40			A
Peak Forward Surge Current ,8.3ms single half sine-wave superimposed on rated load(JEDEC method)	IFSM	450			A
Maximum Forward Voltage at 20A,per element	VF	1.05	1.30	1.70	V
Maximum DC Reverse Current at TA=25°C Rated DC Blocking Voltage TA=100°C	IR	1 300			µA
Maximum Reverse Recovery Time (Note 1)	TRR	50			ns
Maximum Thermal Resistance(Note 2)	Rθ-JC	3.0			°C/W
Operating Junction and Storage Temperature Range	TJ,TSTG	-55 to +150			°C

NOTES:

1. Reverse Recovery Test Conditions: IF=.5A, IR=1A, Irr=.25A.
2. Thermal resistance from junction to case.

Typical Characteristics

FIG.1 - FORWARD CURRENT DERATING CURVE

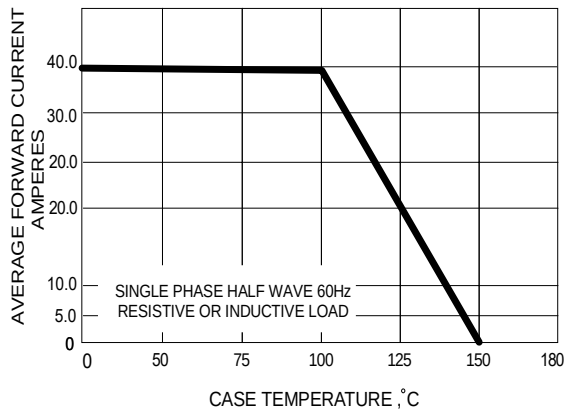


FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

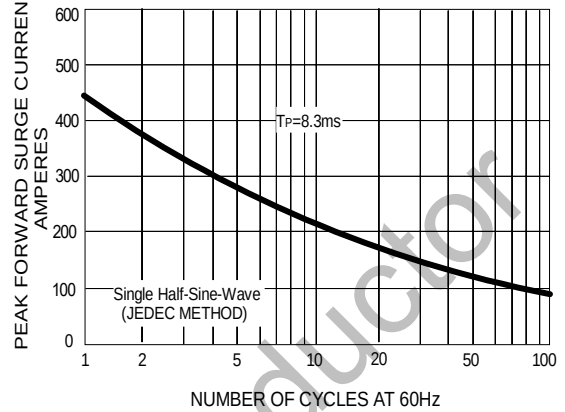


FIG.3 - TYPICAL REVERSE CHARACTERISTICS

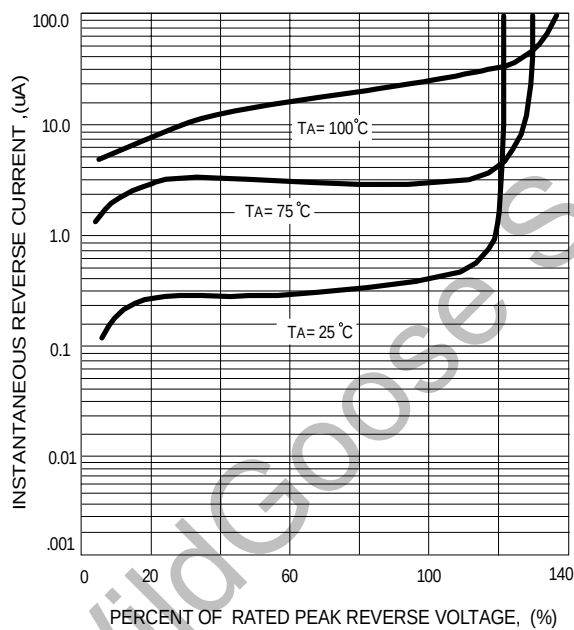
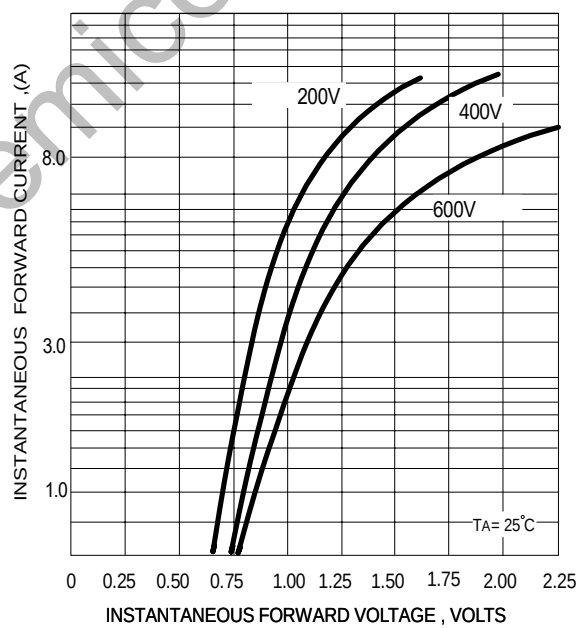


FIG.4 - TYPICAL FORWARD CHARACTERISTICS



Package Dimension

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Units: mm

