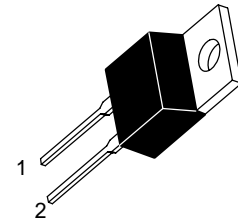




TO-220-2L



1. Cathode 2. Anode

MUR20120

Features:

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

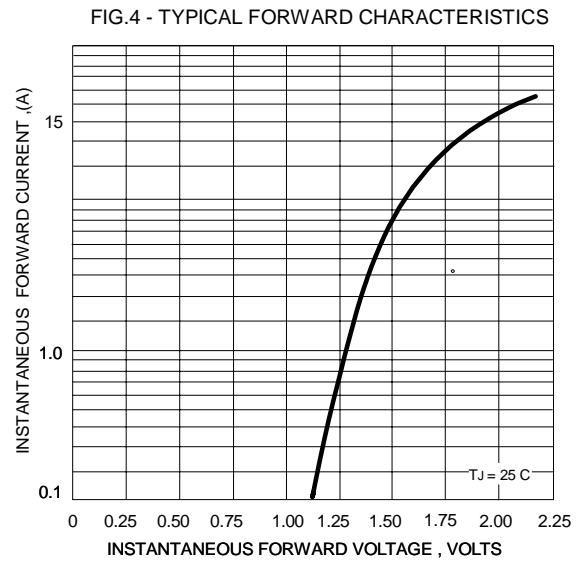
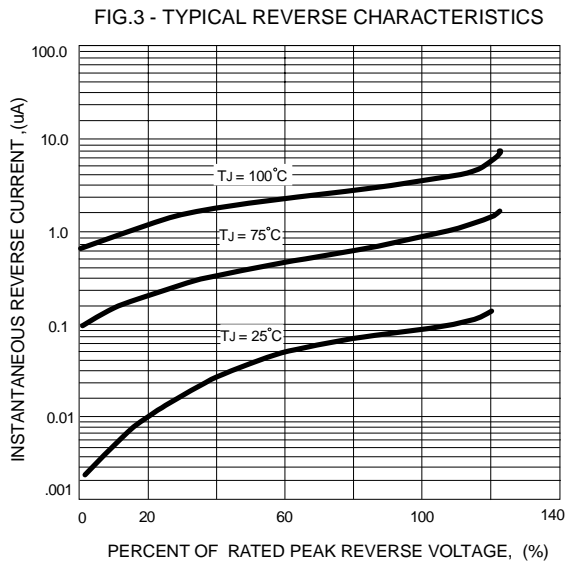
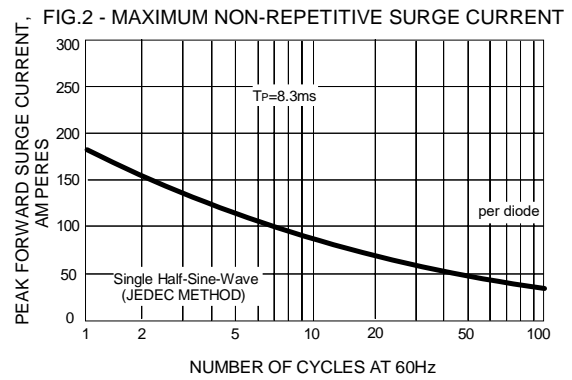
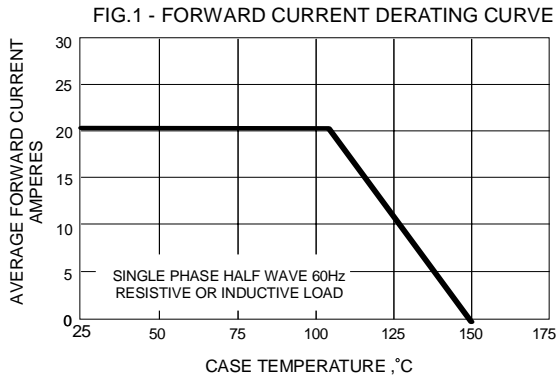
Absolute Maximum Ratings (Ta=25°C unless otherwise noted)

Rating	Symbol	MUR20120	Unit
Maximum Repetitive Reverse Voltage	VRRM	1200	V
Maximum RMS Voltage	VRMS	840	V
Maximum AVERAGE Forward Current	I _{AV}	20	A
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	180	A
Maximum Forward Voltage at 20A	V _F	2.9	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	5 300	μA
Maximum Reverse Recovery Time (Note 1)	TRR	150	NS
Maximum Thermal Resistance	R _{θ-JC}	2.5	°C/W
Operating Junction and Storage Temperature Range	T _J , T _{STG}	-55 to +150	°C

NOTES:

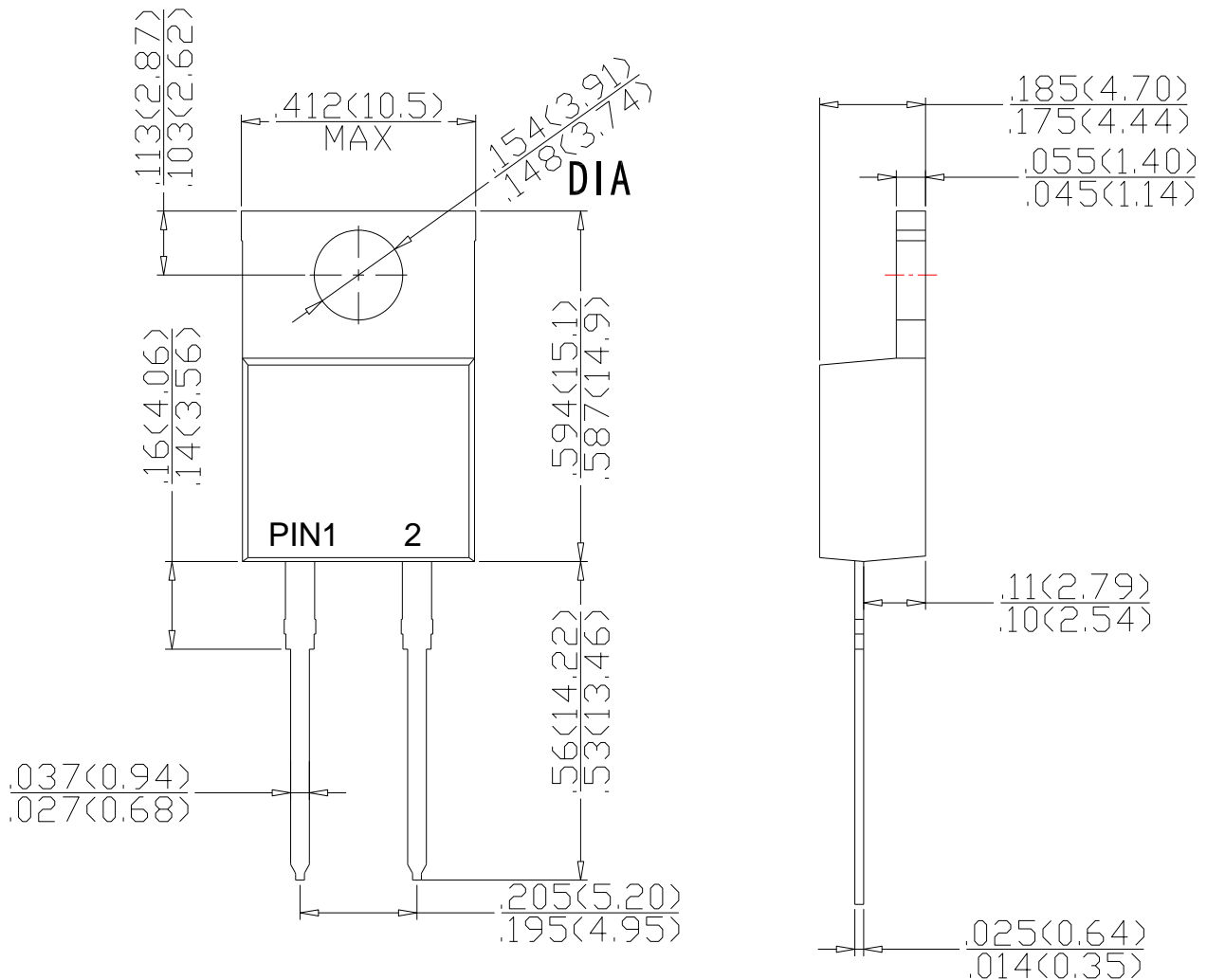
1. Reverse Recovery Test Conditions: I_F=.5A, I_R=1A, I_{rr}=.25A.
2. Thermal resistance from junction to case.

Typical Characteristics



Package Dimension

TO-220 -2L



Dimensions in inches and (millimeters)