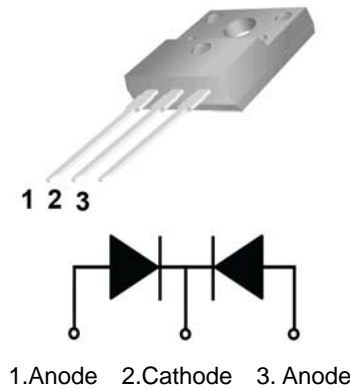



TO-220F
MURF1610CT-MURF1660CT
Features:

- High surge capacity
- Low Forward Voltage Drop.
- High Current Capability.
- Super Fast Switching Speed For High Efficiency


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

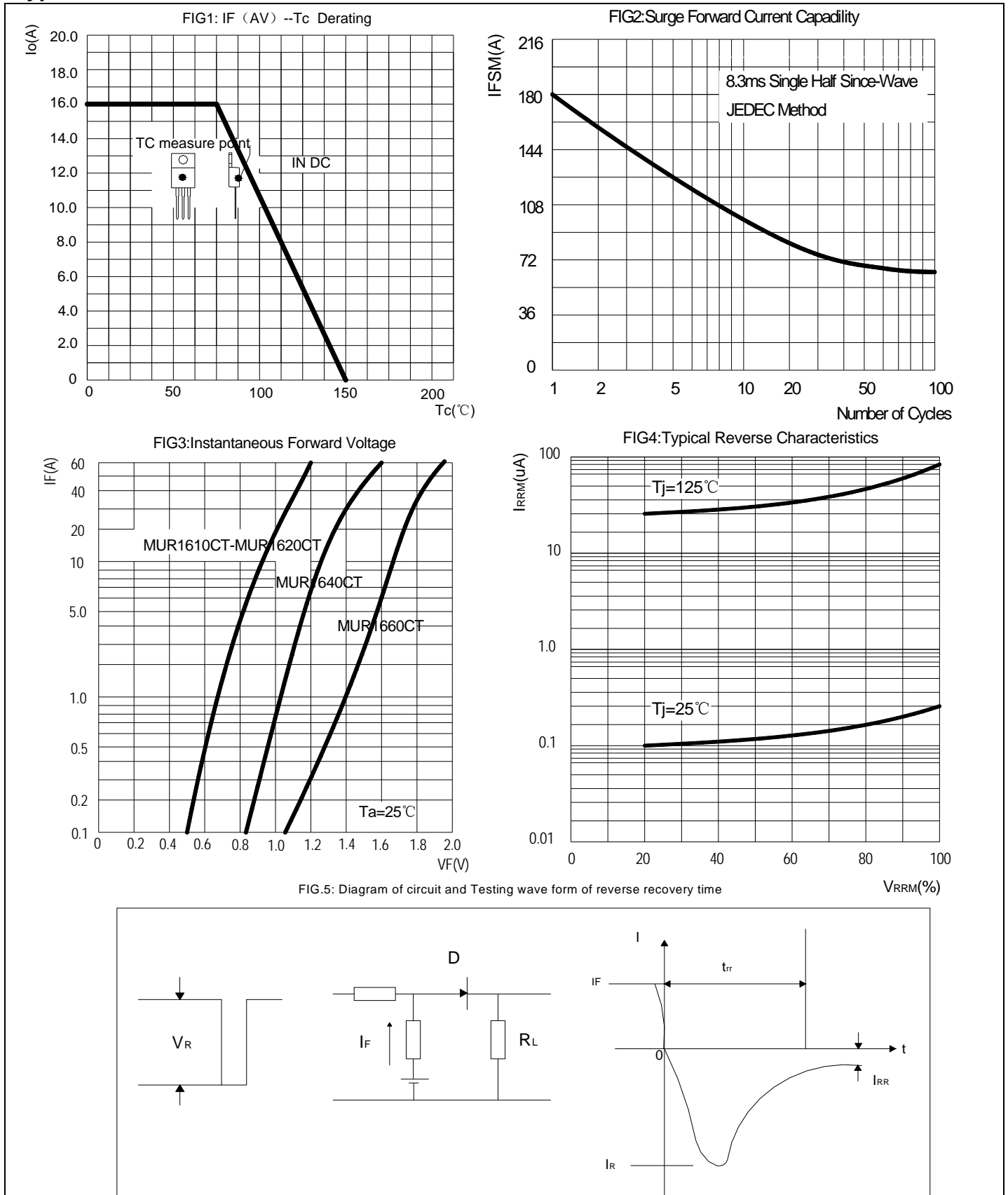
Parameter	Symbol	MURF 1610 CT	MURF 1615 CT	MURF 1620 CT	MURF 1640 CT	MURF 1660 CT	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	100	150	200	400	600	V
Working Peak Reverse Voltage	V_{RWM}	100	150	200	400	600	V
DC Blocking Voltage	$V_{R(DC)}$	100	150	200	400	600	V
Average Rectified Forward Current	$I_{F(AV)}$	Per Leg		8			A
		Total Device		16			
Peak Rectified Forward Current Per Diode Leg (Rated VR, Square Wave, 20 kHz)	I_{FM}	16					A
Nonrepetitive Peak Surge Current(Surge applied at rated load conditions half wave, single phase, 60 Hz)	I_{FSM}	180					A
Operating Junction Temperature and Storage Temperature	TJ, Tstg	-55 to +150					°C
Maximum Thermal Resistance, Junction-to-Case(Per Leg)	$R_{\theta JC}$	3.0			2.0		°C/W

ELECTRICAL CHARACTERISTICS (Per Diode Leg)

Parameter	Symbol	MURF 1610 CT	MURF 1615 CT	MURF 1620 CT	MURF 1640 CT	MURF 1660 CT	Unit
Forward Voltage (Note 1)($I_F = 8.0 A, T_C = 25^\circ C$)	V_F	1.0			1.3	1.7	V
Maximum Instantaneous Reverse Current (Note 1) (Rated DC Voltage, $T_C = 125^\circ C$) (Rated DC Voltage, $T_C = 25^\circ C$)	I_R	250 10			500 10		μA
Maximum Reverse Recovery Time ($I_F = 0.5 A, I_R = 1.0 A, I_{REC} = 0.25 A$)	T_{RR}	35					ns

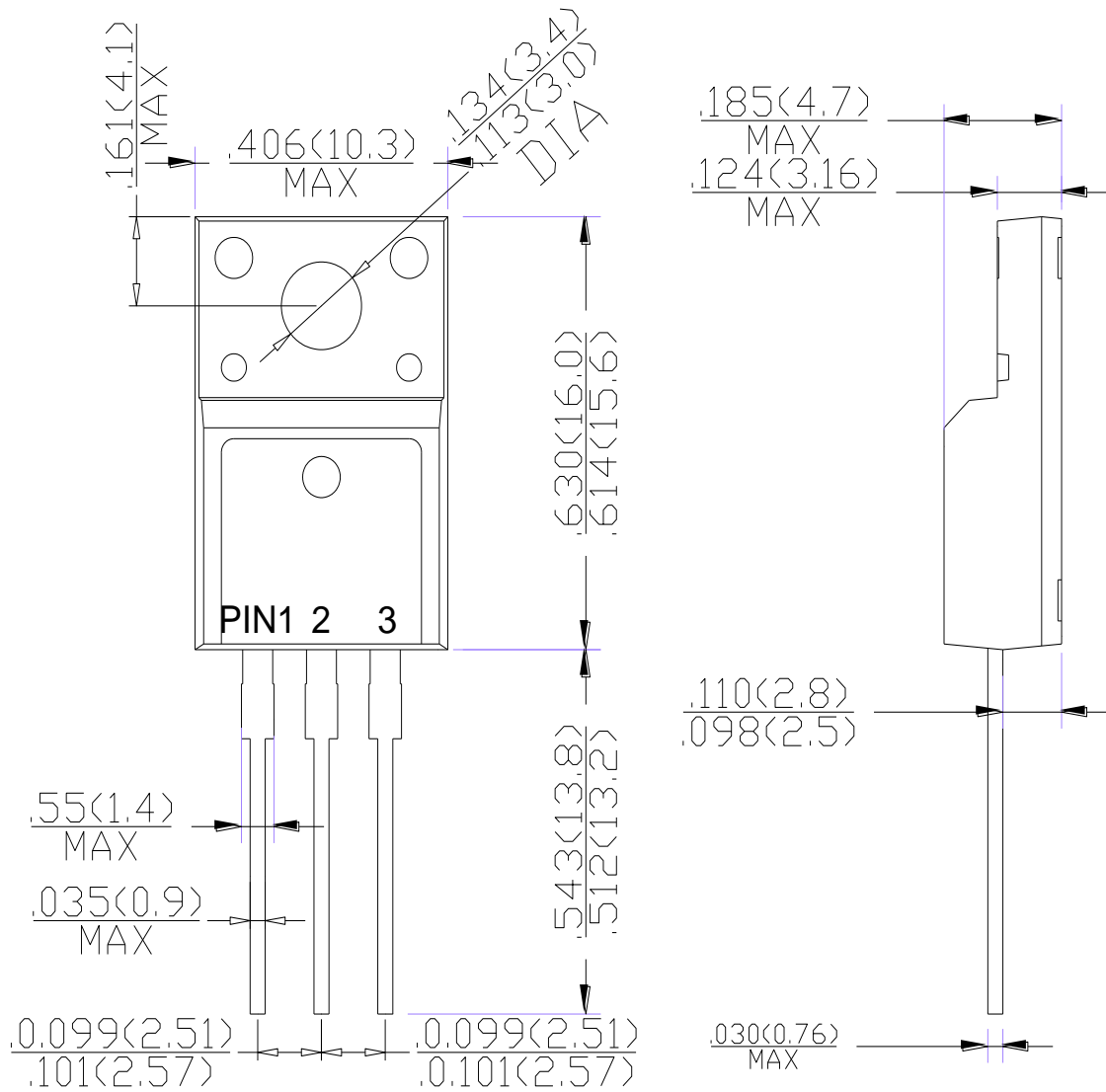
 Note 1.Pulse Test: Pulse Width = 300 μs , Duty Cycle $\leq 2.0\%$

Typical Characteristics



Package Dimension

TO-220F



Dimensions in inches and (millimeters)