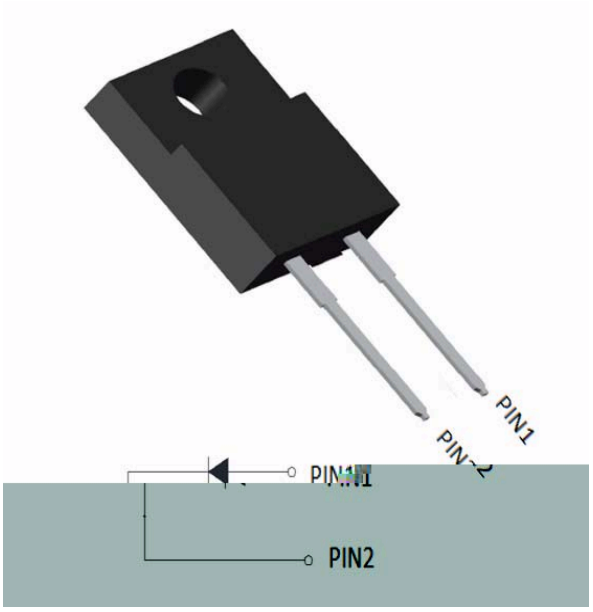
RoHS
COMPLIANT



- Adopt FRED chip
- Low forward Voltage drop
- Fast reverse recovery time
- High frequency operation
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long term reliability

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

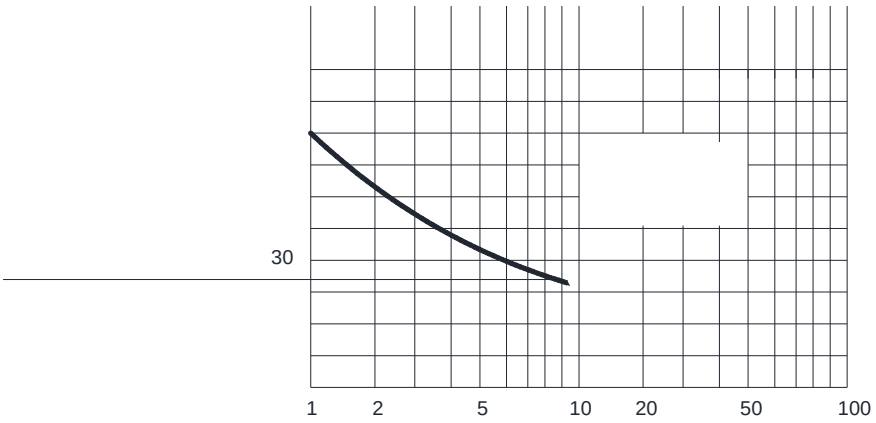
- : ITO-220AC
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- : As marked

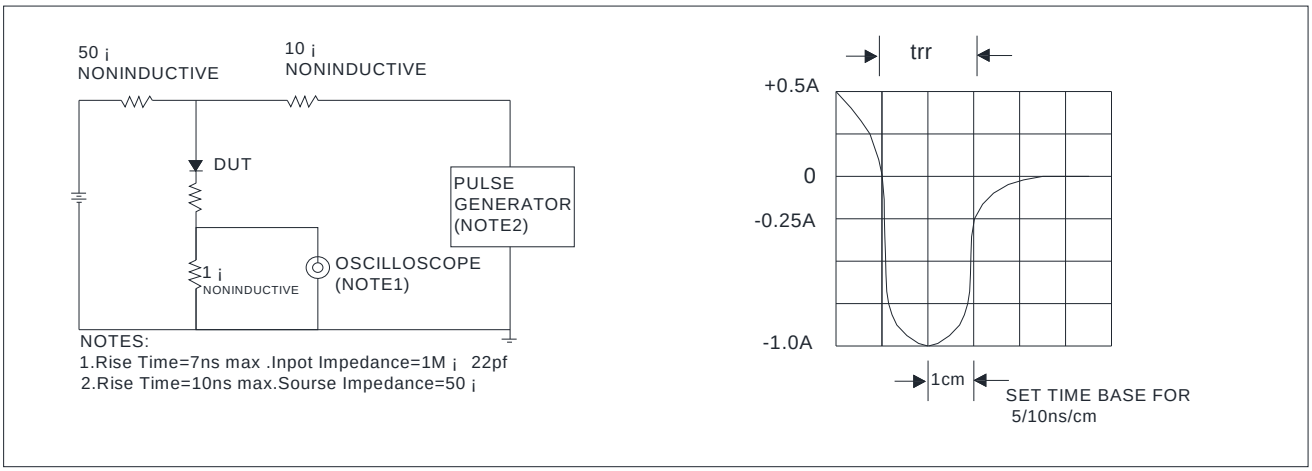
■ (Tj=25 Unless otherwise specified Å

Device marking code			MUR540F
Repetitive Peak Reverse Voltage	V_{RRM}	V	400
Average Rectified Output Current @60Hz sine wave, R-load, Tc(FIG.1)	I_O	A	5
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, Tj=25 -	I_{FSM}	A	50
Current Squared Time @1ms≤t≤8.3ms Tj=25 - È	I^2t	A^2s	10
Storage Temperature	T_{stg}	-	-55 ~ +175
Junction Temperature	Tj	-	-55 ~ +175
Typical Junction capacitance @4V,1MHz	Cj	pF	50
Mounting torque @recommend torque Ö5kg cm	Tor	kg cm	8

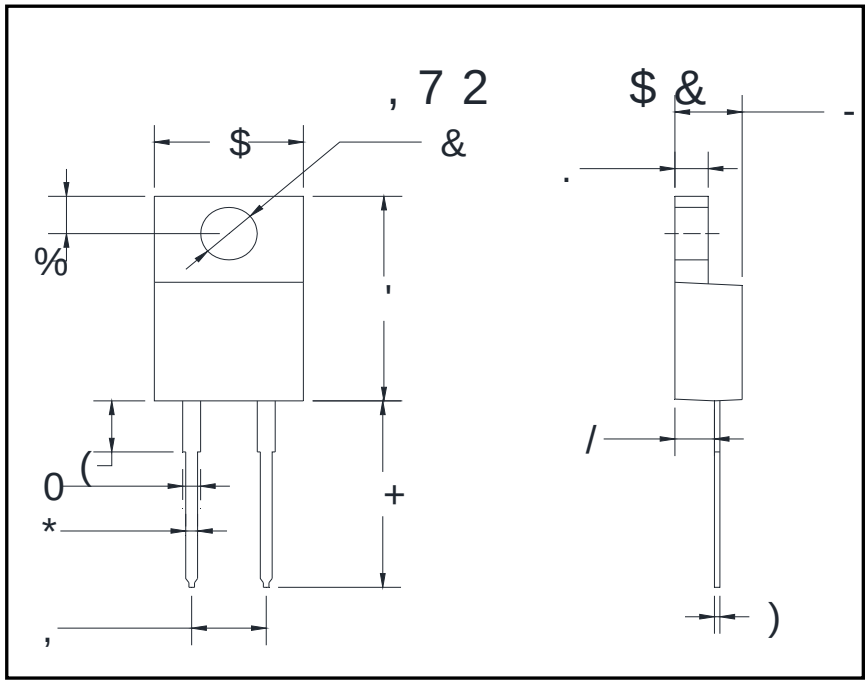
■

■ (Typical)


30
1
2
5
10
20
50
100


50 ¡
NONINDUCTIVE
10 ¡
NONINDUCTIVE
DUT
PULSE
GENERATOR
(NOTE2)
1 ¡
NONINDUCTIVE
OSCILLOSCOPE
(NOTE1)
NOTES:
1.Rise Time=7ns max .Inpot Impedance=1M ¡ 22pf
2.Rise Time=10ns max.Sourse Impedance=50 ¡
trr
+0.5A
0
-0.25A
-1.0A
1cm
SET TIME BASE FOR
5/10ns/cm

■



Dim	Min	Max
A	9.8	10.2
B	2.25	2.75
C	2.95	3.45
D	14.75	15.25
E	3.5	4.1
F	0.45	0.75
G	0.45	0.75
H	13.35	14.15
I	4.97	5.23
J	4.3	4.8
K	2.5	2.74
L	2.58	2.82
M	1.03	1.43

The information presented in this document is for reference onl