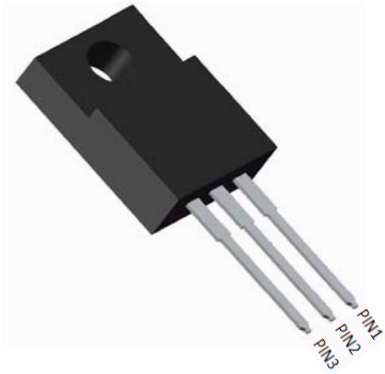
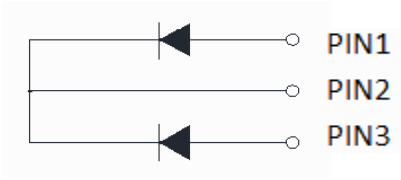




- Adopt FRED chip
- Low forward Voltage drop
- Fast reverse recovery time
- High frequency operation
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long term reliability

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

- : ITO-220AB
  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

Device marking code			MUR3060FCT
Repetitive Peak Reverse Voltage	V_{RRM}	V	600
Average Rectified Output Current @60Hz sine wave, R-load, T_C FIG.1	I_O	A	30
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, T_j=25	I_{FSM}	A	150
Current Squared Time @1ms≤t≤8.3ms Tj=25	I^2t	A^2s	93
Storage Temperature	T_{stg}		-55 ~ +175
Junction Temperature	T_j		-55 ~ +175
Typical Junction capacitance @4V,1MHz	Cj	pF	98
Mounting torque @recommend torque 5kg cm	Tor	kg cm	8

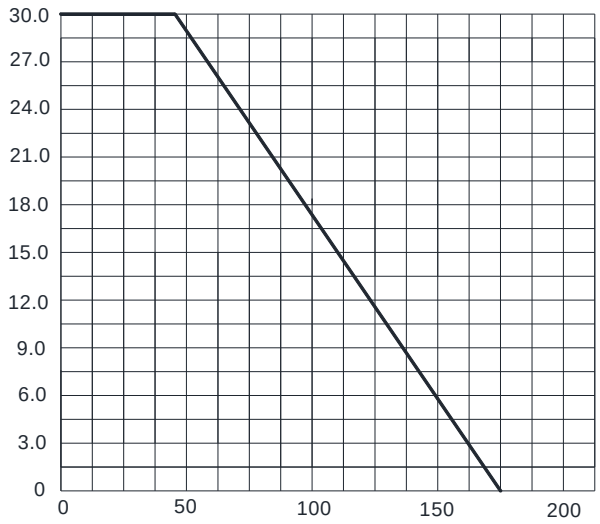
■ T_j=25 Unless otherwise specified

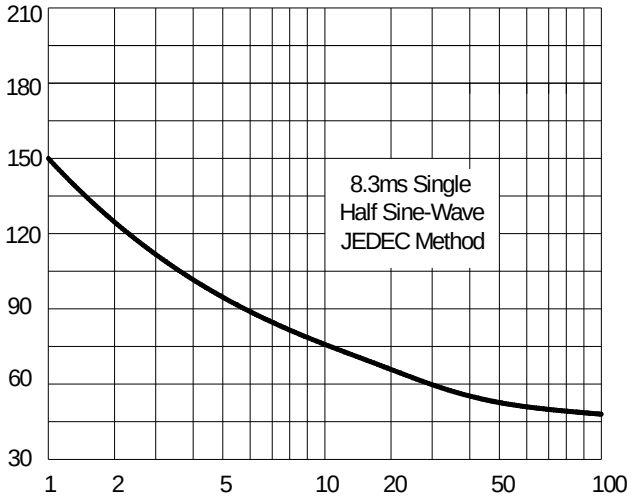
Instantaneous forward voltage drop per diode	V_{FM}	V	I_{FM}=15.0A @ Tj=25		-	1.45	1.6
			I_{FM}=15.0A @ Tj=150		-	1.25	1.4
DC reverse current at rated DC blocking voltage per diode	I_{RRM1}	uA	V_{RM}=V_{RRM} Tj=25		-	-	5.0
	I_{RRM2}		V_{RM}=V_{RRM} Tj=150		-	30	200
Reverse Recovery Time	T_{RR}	ns	I_F=0.5A I_{RM}=1A I_{RR}=0.25A Tj=25		-	26	35
			Tj=25	I_F=15A di/dt=--200A/us V_{RM}=200V		115	
			Tj=125			200	
Peak recovery current	I_{RRM}	A	Tj=25		-	5.0	-
			Tj=125		-	10.5	-
Reverse recovery charge	Qrr	nC	Tj=25		-	285	-
			Tj=125		-	1000	-

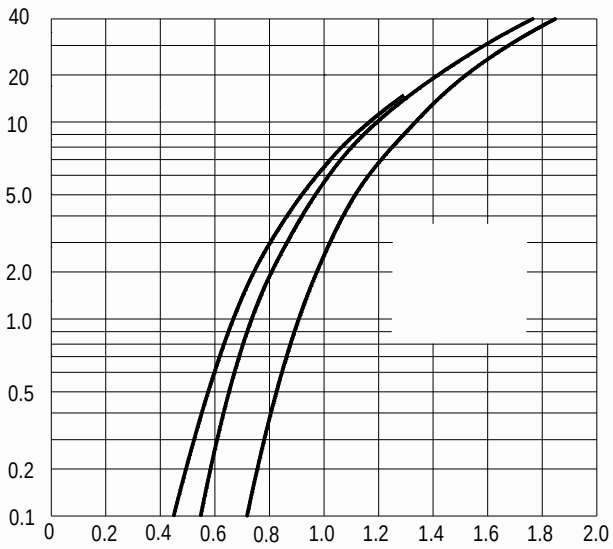
■ T_a=25 Unless otherwise specified

Thermal Resistance	Between junction and case	$R_{\theta J-C}$	/W	4.0
	Between junction and Air	$R_{\theta J-A}$	/W	50

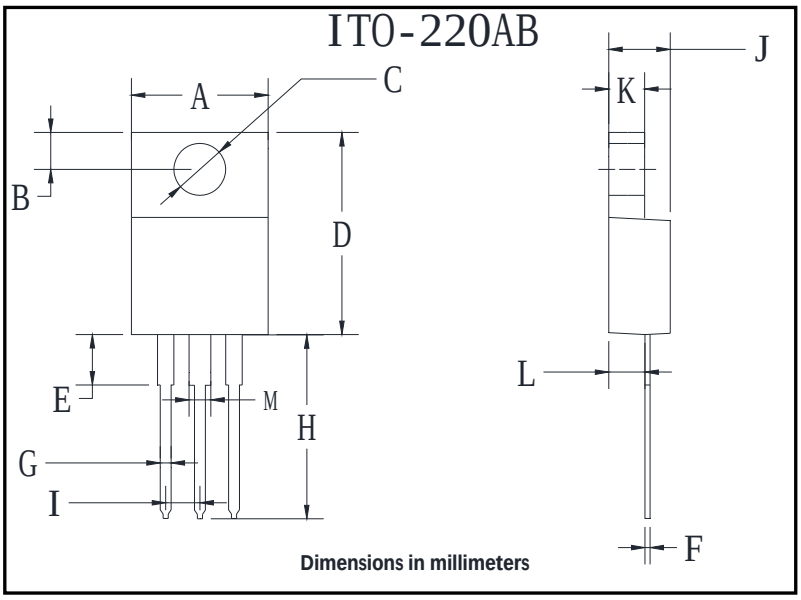
■ (Typical)






40
20
10
5.0
2.0
1.0
0.5
0.2
0.1
0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0

■



Dim	Min	Max
A	9.8	10.2
B	2.25	2.75
C	2.95	3.45
D	14.75	15.25
E	3.05	3.95
F	0.45	0.75
G	0.45	0.75
H	13.4	14.2
I	2.35	2.75
J	4.3	4.8
K	2.58	2.82
L	2.58	2.82
M	1.47	1.77

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