

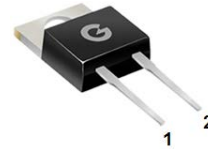
Features

- Low cost
- Low leakage
- Low forward voltage drop
- High current capability.
- Easily cleaned with Alcohol, Isopropanol and similar solvents

HF

Mechanical Data

- Case: TO-220AC, ITO-220AC
- Molding compound, UL flammability classification rating 94V-0
- Terminals: Matte tin plated leads, solderable per MIL-STD-202, Method 208



TO-220AC



ITO-220AC

Ordering Information

Part Number	Package	Shipping	Marking Code
MUR3040	TO-220AC	50/Tube	MUR3040
MUR3060	TO-220AC	50/Tube	MUR3060
MUR3040F	ITO-220AC	50/Tube	MUR3040F
MUR3060F	ITO-220AC	50/Tube	MUR3060F

Maximum Ratings (@T_A=25°C unless otherwise specified)

Characteristic	Symbol	MUR3040(F)	MUR3060(F)	Units
Peak repetitive reverse voltage	V _{RRM}	400	600	V
RMS reverse voltage	V _{RMS}	280	420	V
DC blocking voltage	V _{DC}	400	600	V
Maximum average forward output current	I _{F(AV)}	30		A
Peak forward surge current, 8.3ms single half-sine-wave	I _{FSM}	300		A

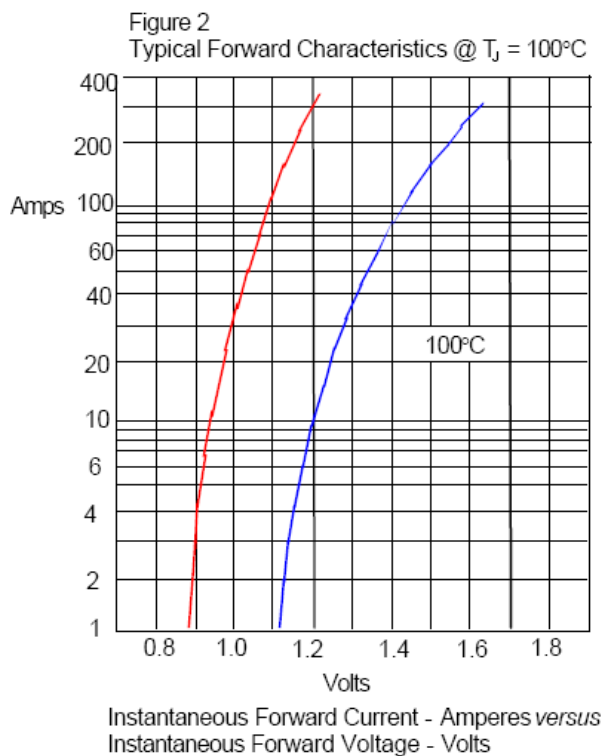
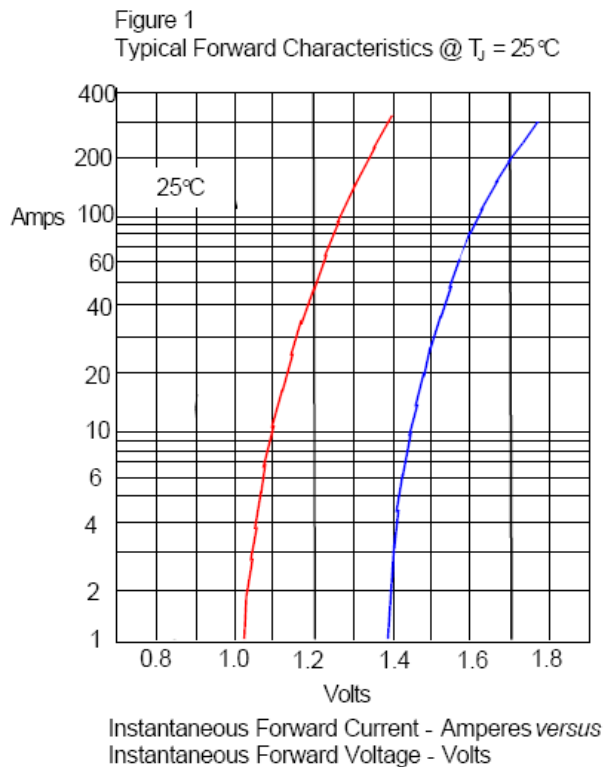
Thermal Characteristics

Parameter	Symbol	Value	Units
Operating junction temperature range	T _J	-55 to +175	°C
Storage temperature range	T _{STG}	-55 to +175	°C

Electrical Characteristics (@ $T_A=25^\circ\text{C}$ unless otherwise specified)

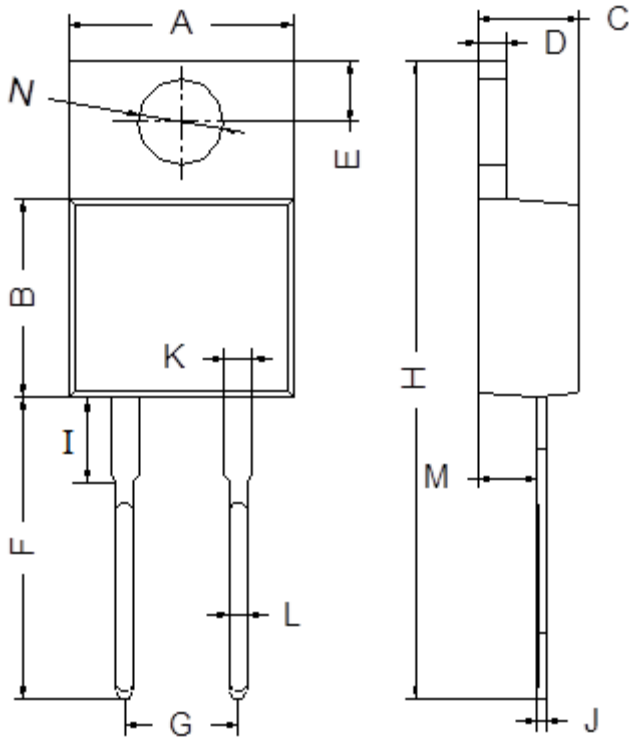
Parameter	Symbol	Test conditions	Max.		Units
			MUR3040(F)	MUR3060(F)	
Forward Voltage	V _F *	I _F =30A	1.3	1.5	V
Maximum Peak Reverse Current	I _R *	V _R = Rated V _{RRM} , T _J =25°C	10		uA
		V _R = Rated V _{RRM} , T _J =125°C	500		
Reverse Recover Time	t _{rr}	I _F =0.5A, I _R =1A, I _{rr} =0.25A	50		ns

Ratings and Characteristic Curves ($T_A=25^\circ\text{C}$ unless otherwise noted)



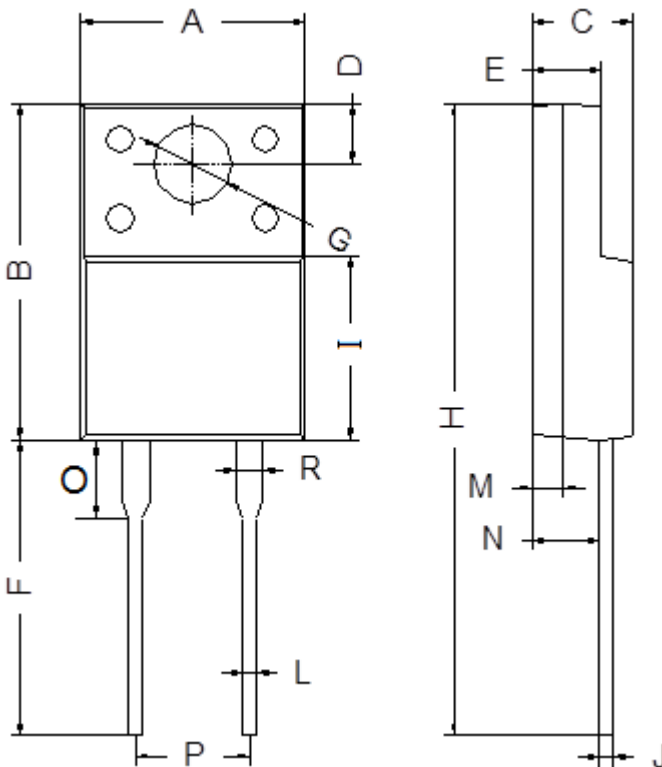
Package Outline Dimensions(unit:mm)

TO-220AC



TO-220AC		
Dim	Min	Max
A	9.80	10.30
B	8.70	9.10
C	4.37	4.77
D	1.07	1.47
E	2.64	2.84
F	13.14	13.74
G	4.98	5.18
H	28.03	28.83
I	3.50	4.00
J	0.28	0.48
K	1.22	1.32
L	0.71	0.91
M	2.40	2.60
N	3.76	3.96

ITO-220AC



ITO-220AC		
Dim	Min	Max
A	9.90	10.30
B	14.80	15.20
C	4.30	4.70
D	2.50	2.90
E	2.80	3.30
F	13.00	13.60
G	3.10	3.30
H	28.00	28.60
I	7.90	8.90
J	0.40	0.60
L	0.50	0.75
M	1.30	1.50
N	2.60	2.80
O	2.60	3.10
P	5.00	5.20
R	1.10	1.30