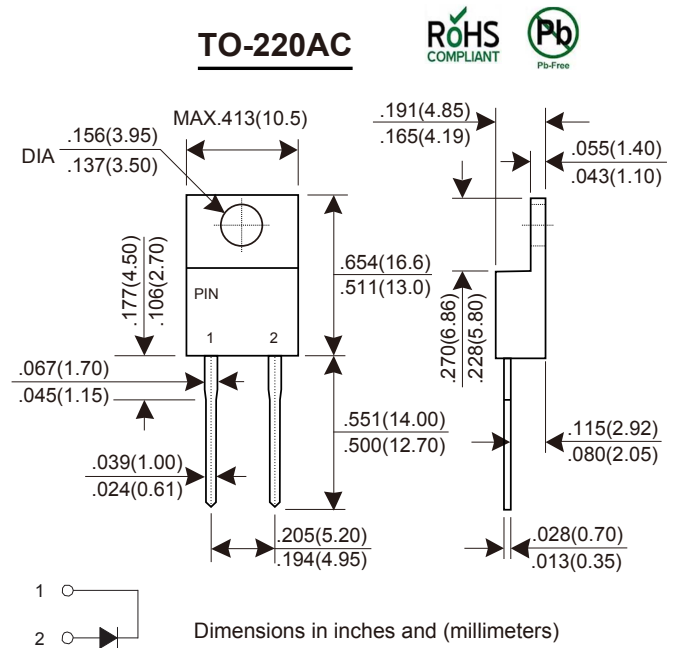


Features

- Low cost.
- Low Leakage.
- Low Forward Voltage Drop.
- High Current Capability.
- Easily cleaned with Alcohol, Isopropanol and Similar solvents.
- The plastic material carries U/L recognition 94V-0.



Maximum Rating operating temperature range applies unless otherwise specified

Symbol	Parameter	MUR 1620	MUR 1640	MUR 1660	Unit
V_{RRM}	Recurrent Peak Reverse Voltage	200	400	600	V
V_{RMS}	RMS Voltage	140	280	420	V
V_{DC}	DC Blocking Voltage	200	400	600	V
$I_{F(AV)}$	Average Forward Rectified Current @ $T_A=100^\circ C$	16			A
I_{FSM}	Peak Forward Surge Current 8.3ms Single Half-sine-wave superimposed on Rstcd Load	125			A
$T_j T_{stg}$	Operating Junction and Storage Temperature Range	-55 to +150			$^\circ C$

Electrical Characteristics @ $T_a=25^\circ C$ unless otherwise specified

Parameter	Symbol	Test conditions	MUR1620	MUR1640	MUR1660	UNIT
			MAX			
Reverse Current	I_R	$V_R=V_{RRM}, T_A=25^\circ C$ $V_R=V_{RRM}, T_A=150^\circ C$	5.0 250	10 500		μA
Forward Voltage	V_F	$I_F=16A$	0.98	1.3	1.5	V
Reverse Recovery Time	t_{rr}	$I_F=0.5A, I_R=1A,$ $I_{rr}=0.25A$	25	50		ns



Ordering Information

Part Number	Package	Shipping	Marking Code
MUR1620	TO-220AC	50/Tube	MUR1620
MUR1640	TO-220AC	50/Tube	MUR1640
MUR1660	TO-220AC	50/Tube	MUR1660

Typical Characteristics @ Ta=25°C unless otherwise specified

FIG.1 –TYPICAL FORWARD CHARACTERISTIC

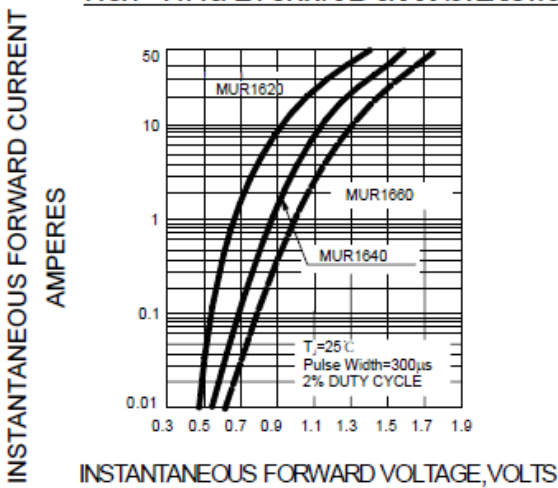


FIG.2 –TYPICAL REVERSE CHARACTERISTICS

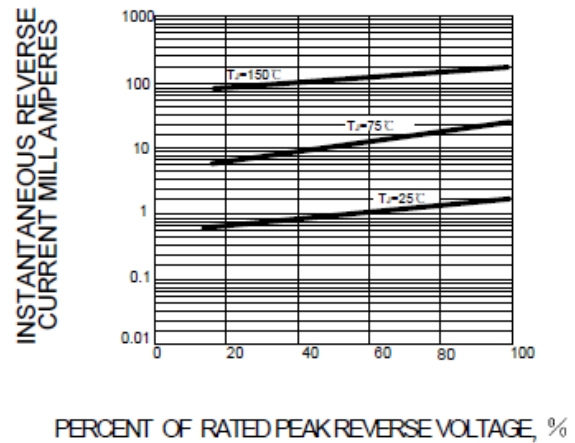


FIG.3 – PEAK FORWARD SURGE CURRENT

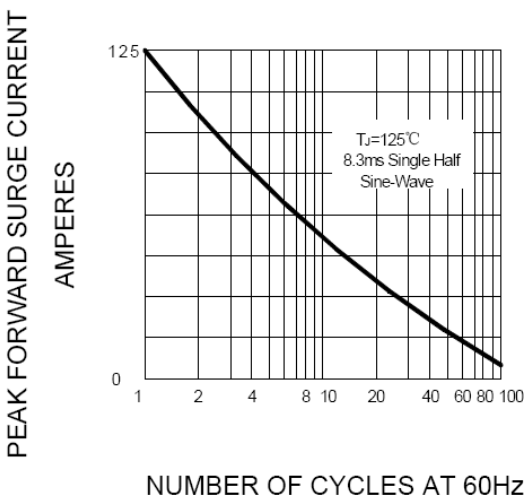


FIG.4-FORWARD DERATING CURVE

