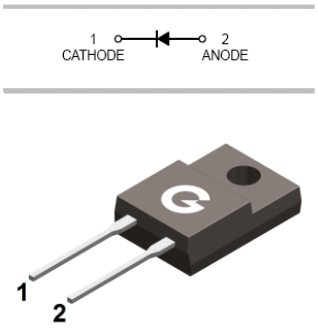
Super Fast Rectifiers MUR520F-MUR560F

FEATURES

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

HF



ITO-220AC

Ordering Information

Part Number	Package	Shipping	Marking Code
MUR520F	ITO-220AC	50 pcs / Tube	MUR520F
MUR540F	ITO-220AC	50 pcs / Tube	MUR540F
MUR560F	ITO-220AC	50 pcs / Tube	MUR560F

MAXIMUM RATING operating temperature range applies unless otherwise specified

Symbol	Parameter	MUR520F	MUR540F	MUR560F	Unit
V_{RRM}	Repetitive 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 ForwardRectified Current @T_A=100℃	5.0			A
I_{FSM}	Peak Forward Surge Current 8.3ms Single Half-sine-wave superimposed on Rsted Load	60			A
T_j T_{stg}	Operating Junction and StorageTemperature Range	-55 to +150			℃

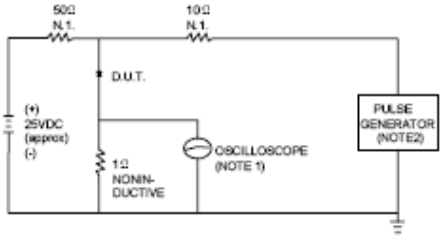
Super Fast Rectifiers MUR520F-MUR560F

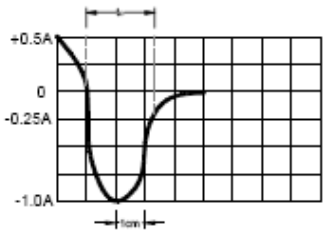
ELECTRICAL CHARACTERISTICS@ Ta=25℃ unless otherwise specified

Parameter	Symbol	Test conditions	MUR 520F	MUR 540F	MUR 560F	UNIT
			MAX			
Reverse Current	I_R	$V_R=V_{RRM}, T_A=25℃$ $V_R=V_{RRM}, T_A=150℃$	5.0 250	10 500		μA
Forward Voltage	V_F	$I_F=5A, T_A=25℃$	0.98	1.3	1.5	V
Reverse RecoveryTime	t_{rr}	$I_F=0.5A, I_R=1A, I_{rr}=0.25A$	25	50		ns

TYPICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

FIG.1 -- TEST CIRCUIT DIAGRAM AND REVERSE RECOVERY TIME CHARACTERISTIC





NOTES:1.RISE TIME = 7ns MAX.INPUT IMPEDANCE =1MΩ. 22pF.
2.RISE TIME =10ns MAX.SOURCE IMPEDANCE=50 Ω.

SET TIME BASE FOR 10/20 ns/cm

FIG.2 – TYPICAL FORWARD CHARACTERISTIC

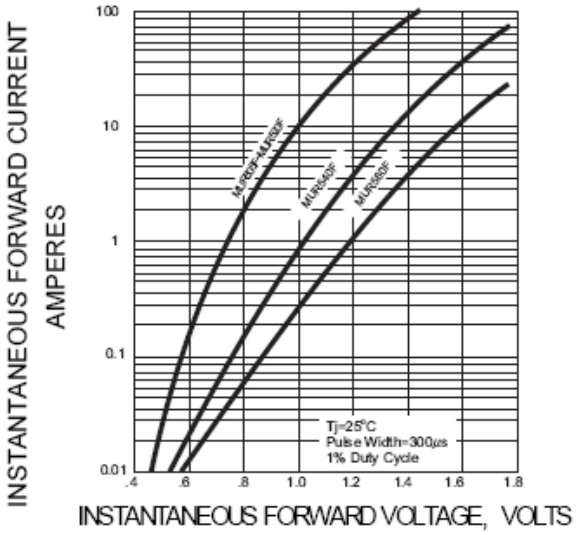
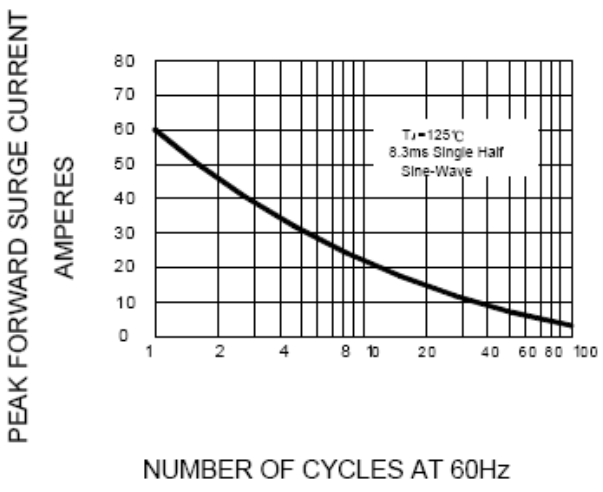
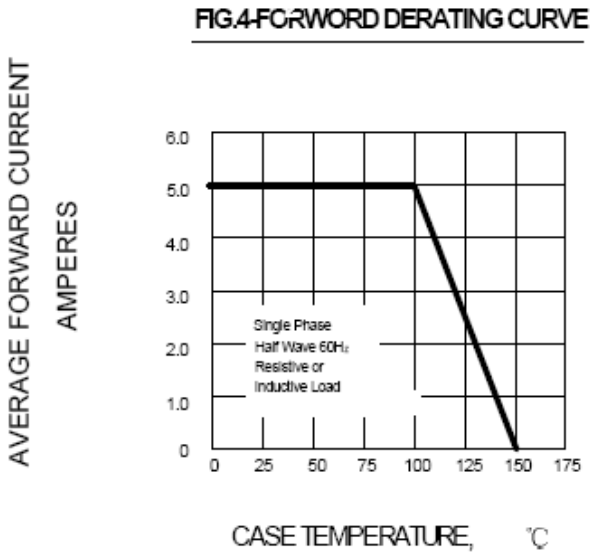


FIG.3 – PEAK FORWARD SURGE CURRENT

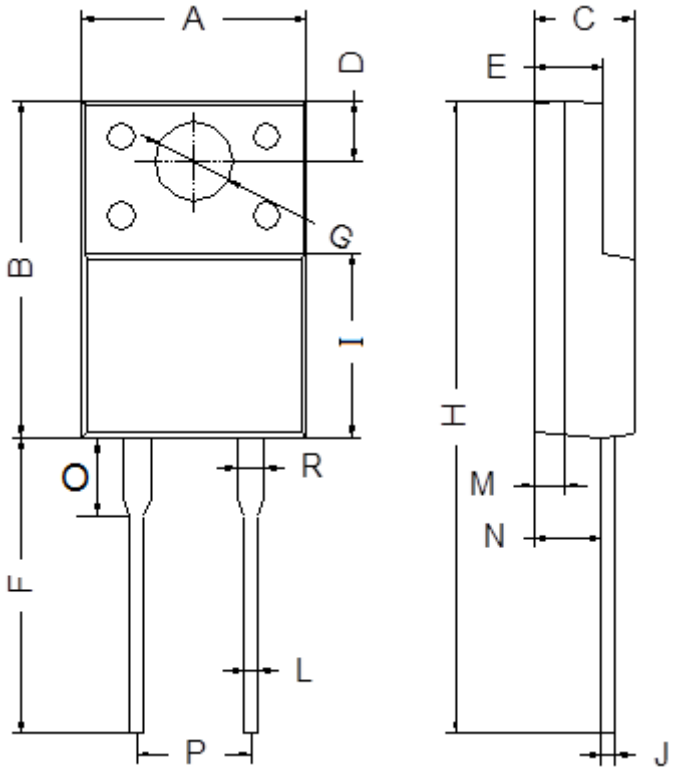


Super Fast Rectifiers MUR520F-MUR560F



PACKAGE OUTLINE

Plastic surface mounted package 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
All Dimensions in mm		