

## Features

- Low reverse leakage
- High forward surge capability
- High reliability
- Lead and body according with RoHS standard
- Green compound with suffix "-F" on Marking



**ITO-220AB**

## Mechanical Data

- Case: ITO-220AB Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Pure tin plated, lead free
- Mounting Position: Any
- Mounting torque: Recommend 0.3 N\*m

## Maximum Ratings & Characteristics

Ratings at 25°C ambient temperature unless other wise specified.

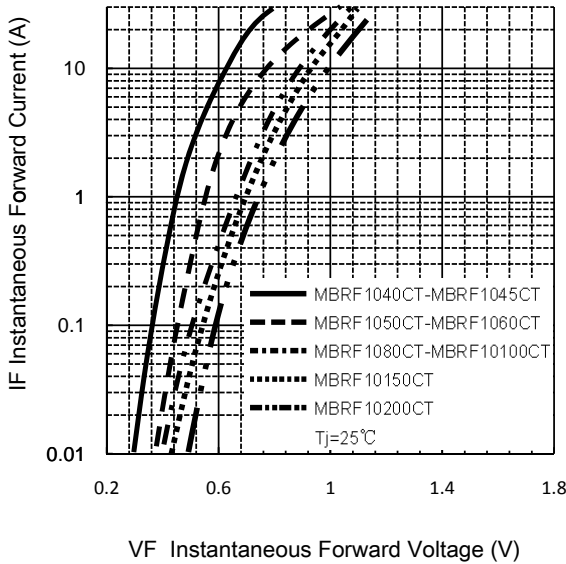
Parameter	Symbols	MBRF 1040CT	MBRF 1045CT	MBRF 1050CT	MBRF 1060CT	MBRF 1080CT	MBRF 10100CT	MBRF 10150CT	MBRF 10200CT	Unit
Maximum repetitive peak reverse voltage	$V_{RRM}$	40	45	50	60	80	100	150	200	V
Maximum RMS voltage	$V_{RMS}$	28	31.5	35	42	56	70	105	140	V
Maximum DC blocking voltage	$V_{DC}$	40	45	50	60	80	100	150	200	V
Maximum average forward rectified current	$I_{F(AV)}$	10.0								A
Non-repetitive peak forward surge current 8.3 ms singlehalf sine-wave	$I_{FSM}$	125								A
@ $I_F=5.0A$ Maximum forward voltage	$V_F$	0.70	0.80	0.85	0.95	0.99				V
@ $V_{DC}$ Maximum reverse current	$I_R$	100				50				uA
$T_A=25^{\circ}C$		20				10				mA
$T_A=100^{\circ}C$										
Typical thermal resistance (Note 1)	$R_{\theta JC}$	4								°C/W
$V_R=4.0V, f=1MHz$ Type junction capacitance	$C_j$	300								pF
Operating junction and storage temperature rang	$T_j, T_{STG}$	-55 --- +150								°C

Note:

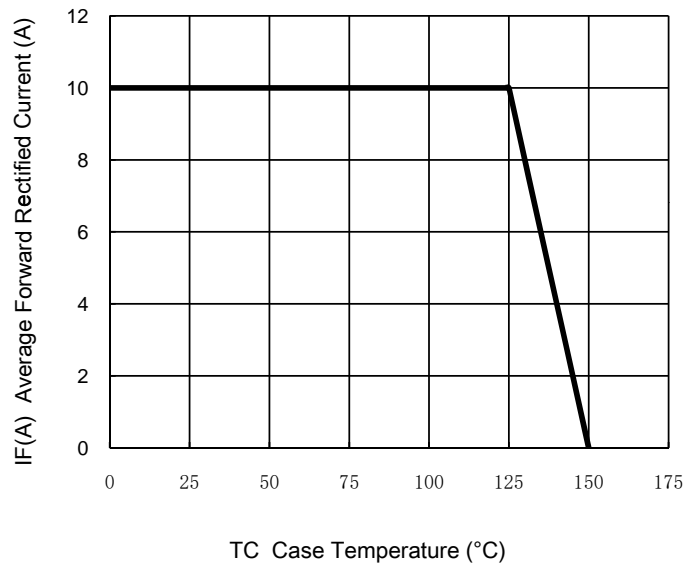
1) Thermal resistance from junction to case , PCB mounted.

## Characteristic Curves

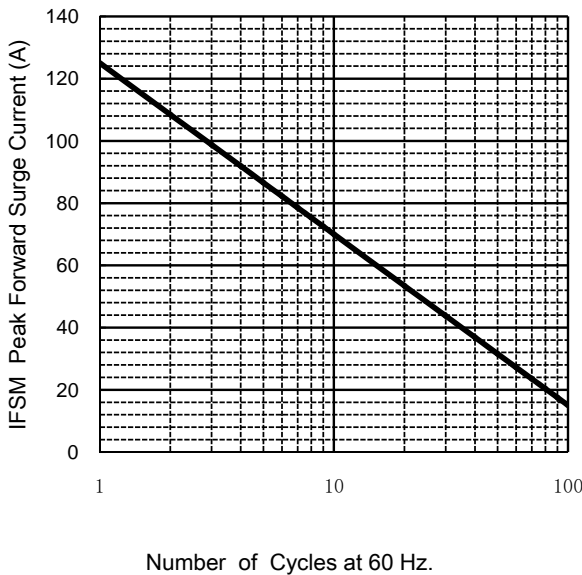
TYPICAL FORWARD CHARACTERISTIC



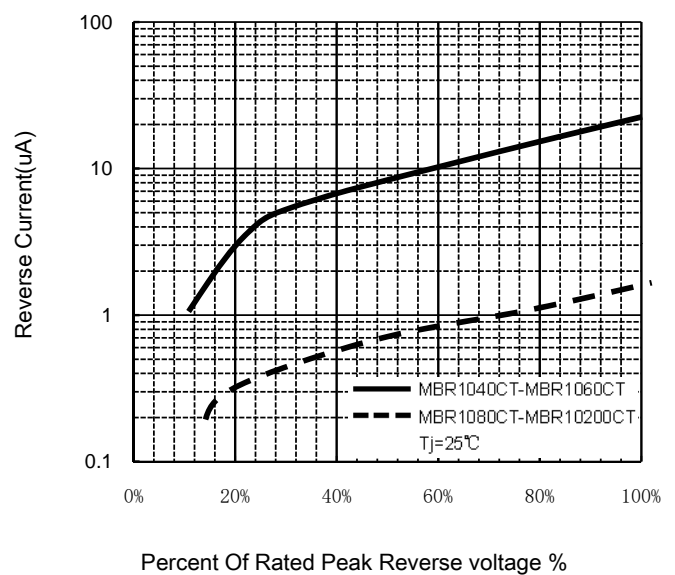
FORWARD CURRENT DERATING CURVE



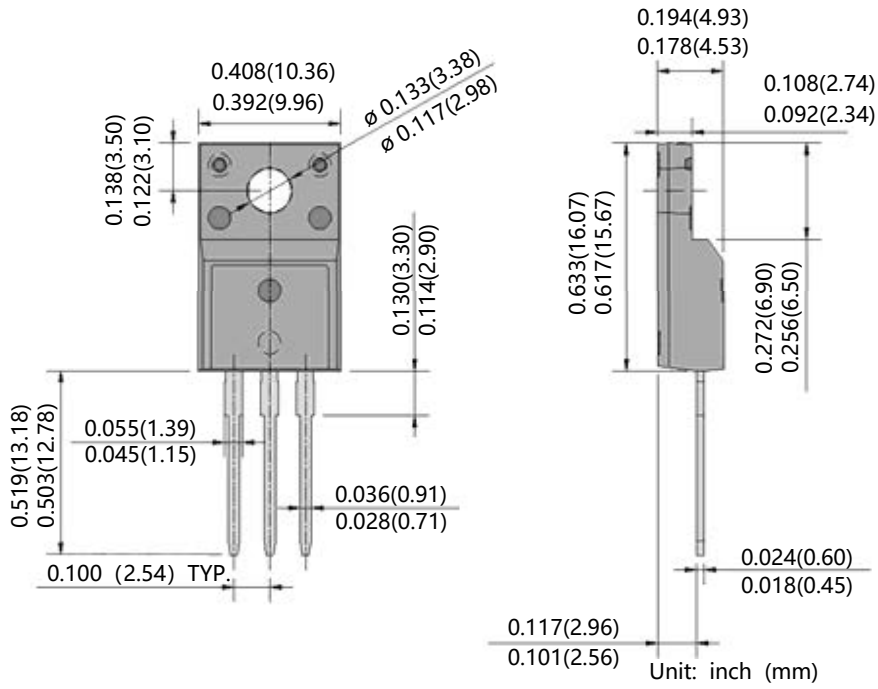
MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



Typical Reverse Characteristics



## Package Outline



## Package Information

Qty: 1,000/Tape and reel