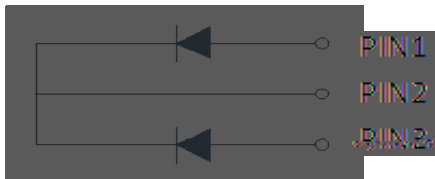
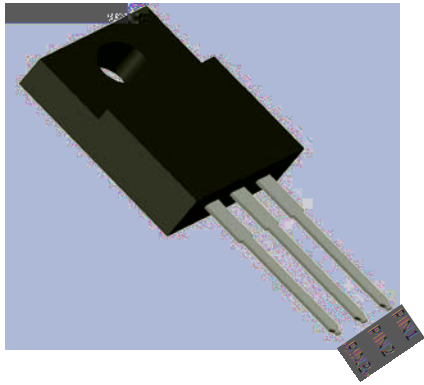


## Schottky Diodes



### Features

- High frequency operation
- Low forward voltage drop
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced rugged rating, RoHS-compliant

**Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B12 4 sy

marking code			MBRL3060FCT
Reverse Peak Reverse Voltage	VRRM	V	60
Rectified Output Current @60Hz sine load, T <sub>a</sub> =25	I <sub>O</sub>	A	30
Non-repetitive Forward Current (Half sine-wave, 1 cycle, T <sub>a</sub> =25)	I <sub>FSM</sub>	A	200
Squared Time @1ms t<8.3ms	I <sup>2</sup> t	A <sup>2</sup> s	167
Storage Temperature	T <sub>stg</sub>		-55 ~ +150
Junction Temperature	T <sub>j</sub>		-55 ~ +150

### Electrical Characteristics T<sub>a</sub>=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBRL3060FCT
Instantaneous forward drop per diode	V <sub>FM</sub>	V	I <sub>FM</sub> =15.0A	0.6
Reverse recovery current	I <sub>RRM2</sub>	mA	V <sub>RM</sub> =VRRM T <sub>a</sub> =85	20

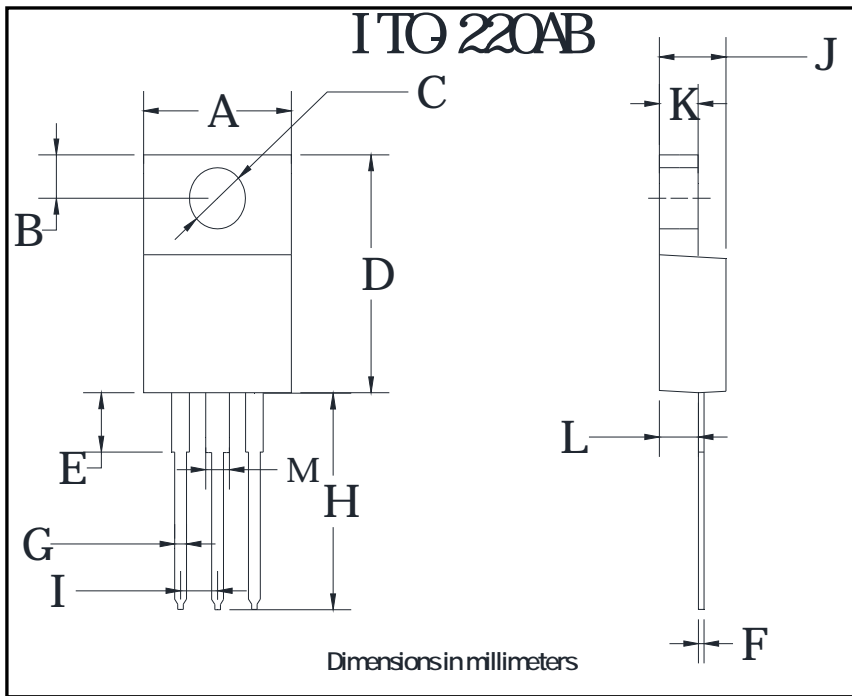
Pulse test: 300uS pulse width, 1% duty cycle

Pulse test: pulse width 40mS





## Outline Dimensions



ITO-220AB		
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

## Disclaimer

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