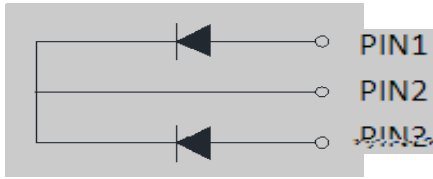
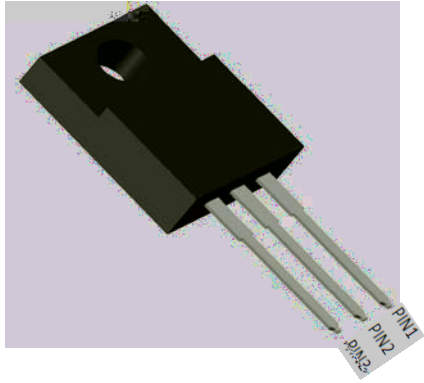


Schottky Diodes



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 ruggedness and long term reliability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical Applications

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

Mechanical Data

Package: ITO-220AB

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: As marked

Maximum Ratings (T_a=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	MBRL20150FCT
Device marking code			MBRL20150FCT
Repetitive Peak Reverse Voltage	VRRM	V	150
Average Rectified Output Current @60Hz sine wave, R-load, T _a =25	I _O	A	20
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, T _a =25	IFSM	A	150
Current Squared Time @1ms t<8.3ms T _j =25	I ² t	A ² s	94
Storage Temperature	T _{stg}		-55 ~ +150
Junction Temperature	T _j		-55 ~ +150

Electrical Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBRL20150FCT
Maximum instantaneous forward voltage drop per diode	VFM	V	IFM=10.0A	0.85
Maximum DC reverse current at rated DC blocking voltage per diode	I _{RRM1}	mA	VRM=VRRM T _a =25	0.1
	I _{RRM2}		VRM=VRRM T _a =100	20

Note1:Pulse test:300uS pulse width,1% duty cycle

Note2:Pulse test:pulse width 40mS

MBRL20150FCT



Outline Dimensions

Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages. T h e p Â e