MBR1530CT THRU MBR1560CT

Schottky Rectifier

Features

• High efficiency operation

RLILÆN

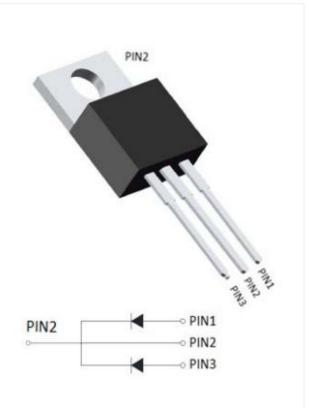
- Guard ring for enhanced ruggedness and long term reliablity
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Solder dip maximum peak of 275 °C /7s, per JESD 22-B106

Typical Application

For use in switching power supplies, converters, freewheeling diodes and reverse battery protection.

Mechanical Data

- Package: TO-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: Color Band denotes cathode end



Maximum Ratings (Ta=25°C Unless otherwise specified)

	Symbol	Unit		MBR15-CT						
PARAMETER			Conditions	30	35	40	45	50	60	
Repetitive Peak Reverse Voltage	V _{RRM}	V		30	35	40	45	50	60	
Average Rectified Output Current	lo		60HZ Half-sine wave, Resistance load, Tc(Fig.1)	15						
Surge(Nonrepetitive)Forward Current	I _{FSM}	А	60HZ sine wave, 1 cycle, Ta=25℃	150						
Storage Temperature	T _{stg}	°C		-55 ~ +150						
Junction Temperature	Tj	°C		-55 ~ +155						

Electrical Characteristics (Ta=25°C Unless otherwise specified)

PARAMETER	Symbol	Unit	Conditions		MBR15-CT						
	- ,				30	35	40	45	50	60	
Peak Forward Voltage	V _{FM}	V	I _{FM} =7	0.65				0.75			
Peak Reverse	I _{RRM1}	mA	V _{RM} =V _{RRM}	Ta=25℃	0.1			1.0			
Current	I _{RRM2}			Ta=125℃	15			50			
Thermal Resistance	R _{θJ-C}	°C/W	Between junction	2.01)							

NOTES:

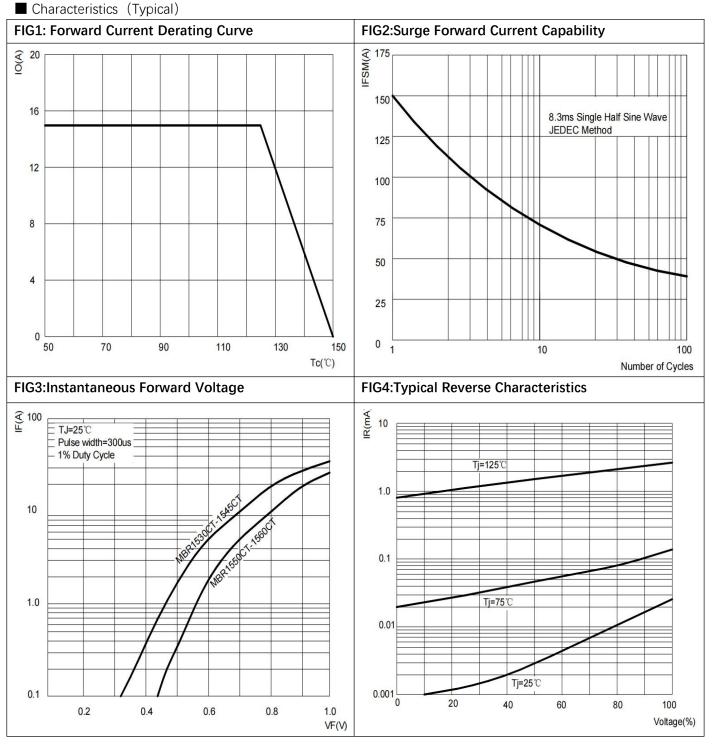
¹⁾Thermal resistance from junction to case per leg with heat-sink size of 2"x3"x0.25"A-L plate







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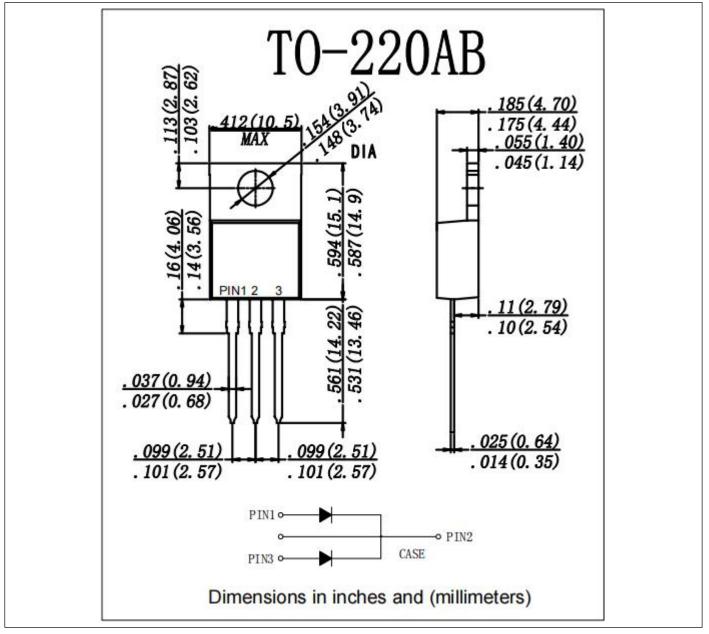


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Ordering Information (Example)

PREFERED	PACKAGE CODE	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE	
MBR1530CT ~MBR1560CT	TO-220AB	50	1000	5000	Tube	

Outline Dimensions





Specifications are subject to change without notice. Please refer to http://www.ruilon.com.cn for current information.

