

MBRJ10150CT

Rev.E Mar.-2016

/ Descriptions

TO-220S M M E $\approx g^{\sim}$ || 1 Schottky diode in a TO-220S Plastic Package.

/ Features

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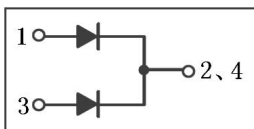
Low power loss, high efficiency.

/ Applications

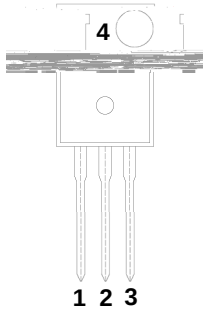
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For high frequency, high voltage, high current rectifier diode, freewheeling diode.

/ Equivalent Circuit



/ Pinning



PIN1 χ Anode

PIN 2 χ Cathode

PIN 3 χ Anode

PIN 4 χ NC

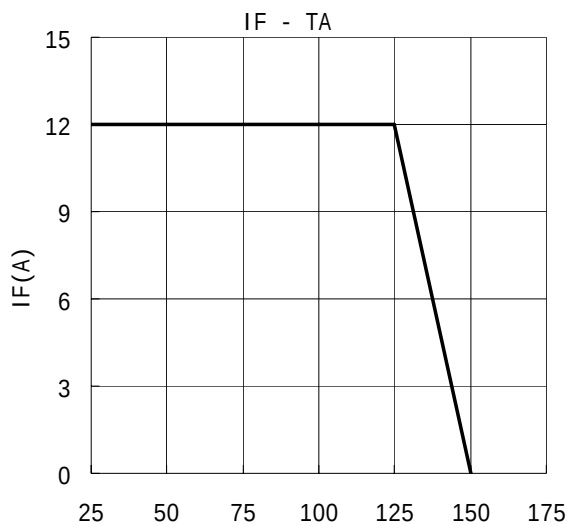
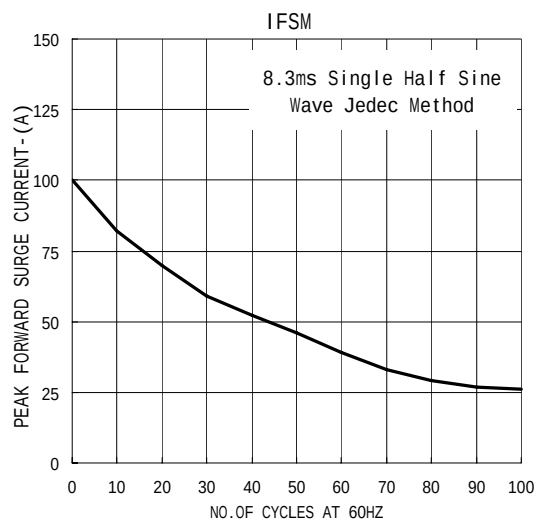
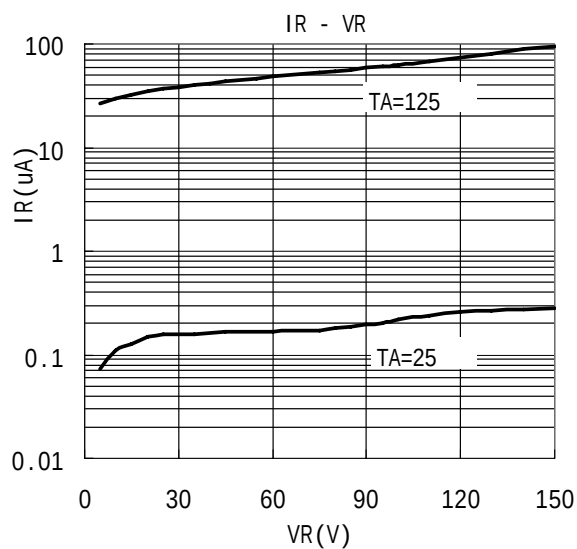
/ h_{FE} Classifications & Marking

ō M 1 ǒ " See Marking Instructions.

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage Reverse Voltage	V_{RRM} V_{RWM} V_{RM}	150	V
RMS Reverse Voltage	$V_{R(RMS)}$	105	V
Average Rectified Forward Current	$I_{F(AV)}$	2*5	A
Non Repetitive Peak Surge Current	I_{FSM}	100	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	3.5	/W
Junction Temperature Range	$T_{j MAX}$	150	
Storage Temperature Range	T_{stg}	-65 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	$V_{(BR)R}$	$I_R=0.3mA$	150			V
Forward Voltage	V_F	$I_F=5A$ $T_j=25$			0.85	V
		$I_F=5A$ $T_j=125$			0.70	V

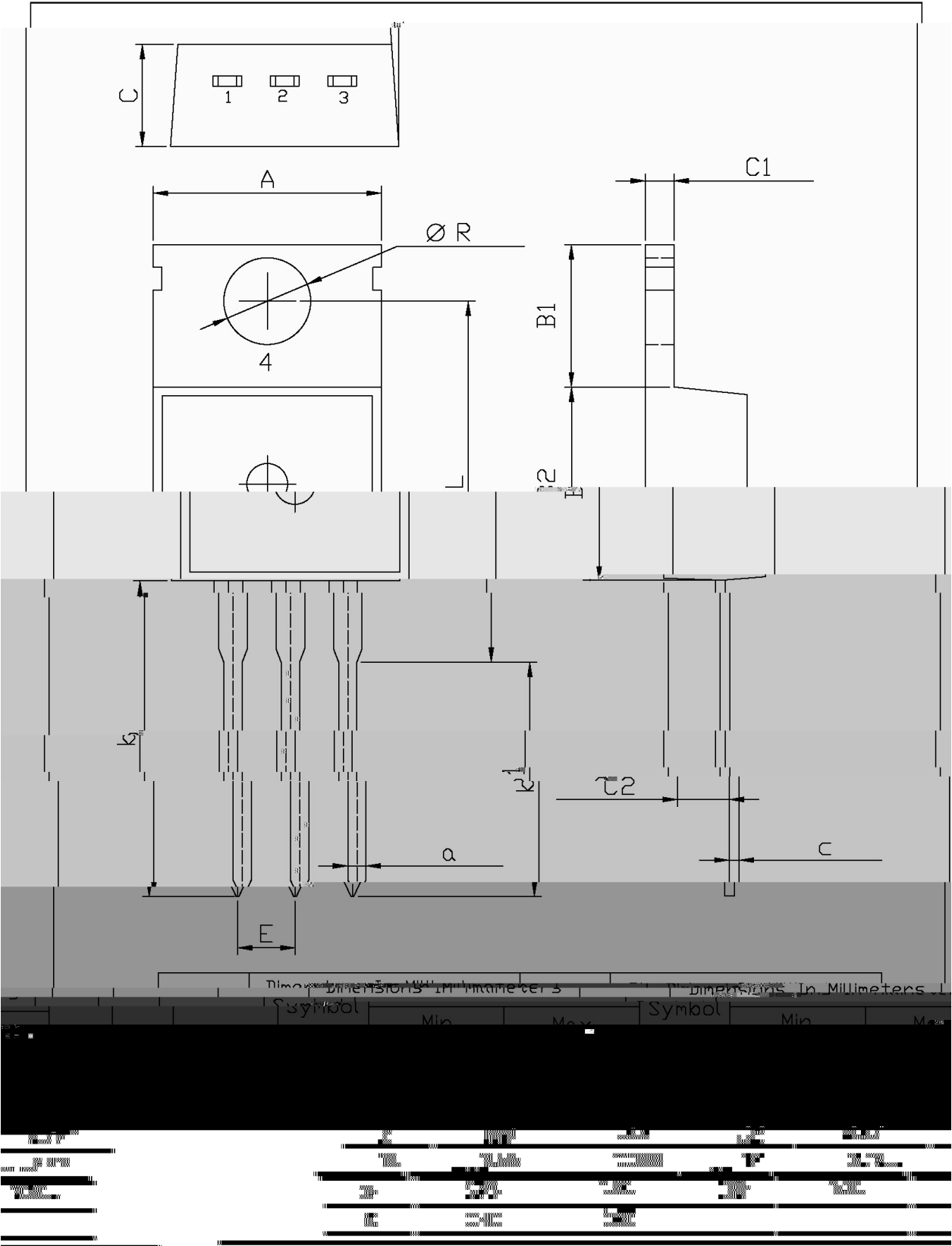
/ Electrical Characteristic Curve



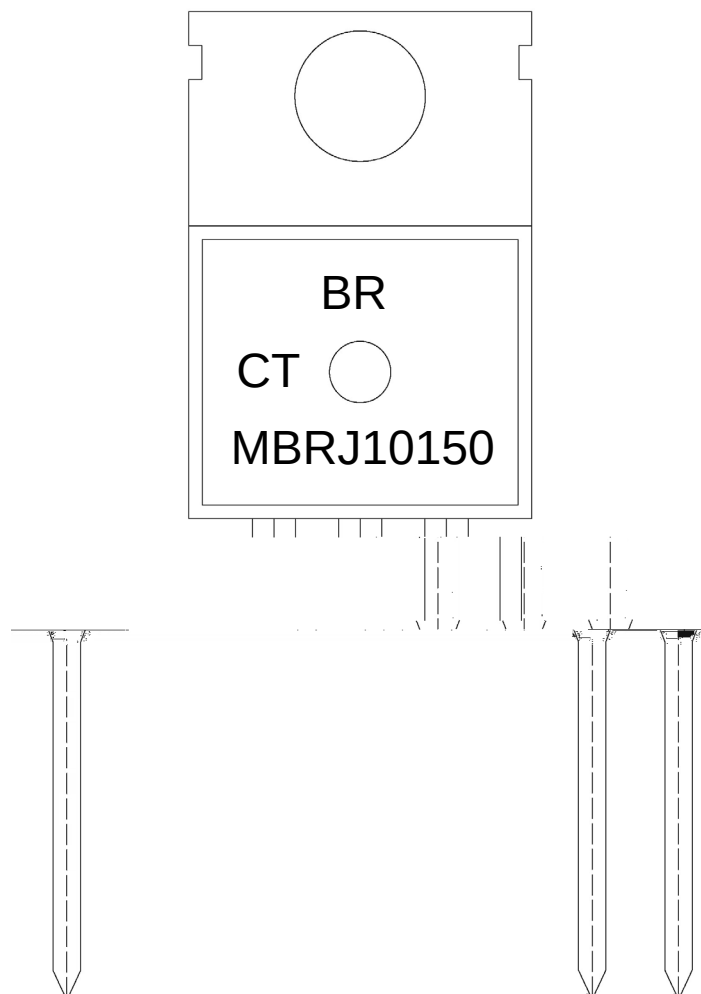
/ Package Dimensions

TO-220S

Unit: mm



/ Marking Instructions



б " X

EU X

PEUM43483 X

FW:

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Note:

BR:

MBRJ10150 X

CT:

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Company Code

Product Type.

Internal Structure

Lot No. Code, code change with Lot No.

