WR0553 ṂṂ Ŀ ≠ g‿ ‖ ㄱ

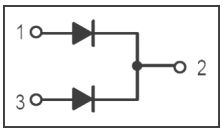
Schottky Barrier Diode in a TO-220 Plastic Package.

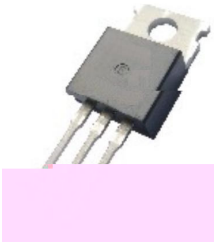
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Low power loss, high efficiency.

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For use in low voltage,high frequency inverters, free wheeling, and polarity protection applications.



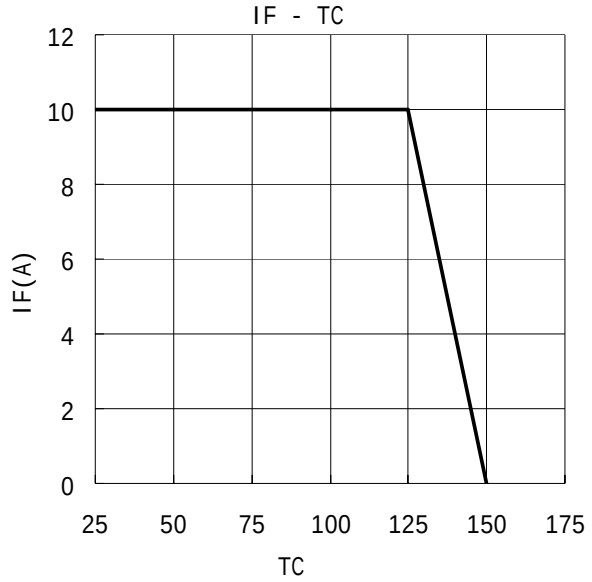


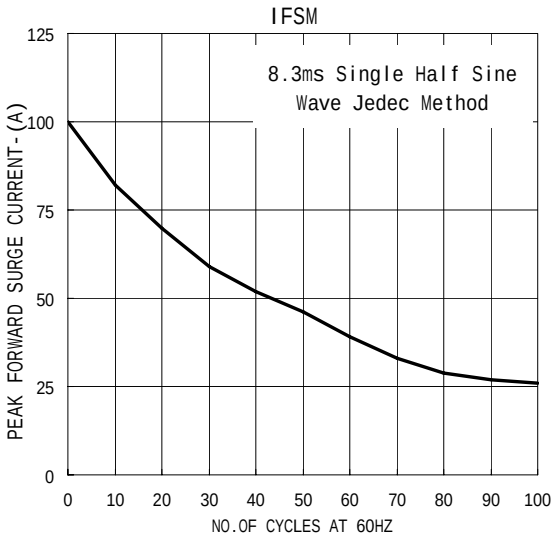
PIN1 Anode PIN 2 Cathode PIN 3 Anode

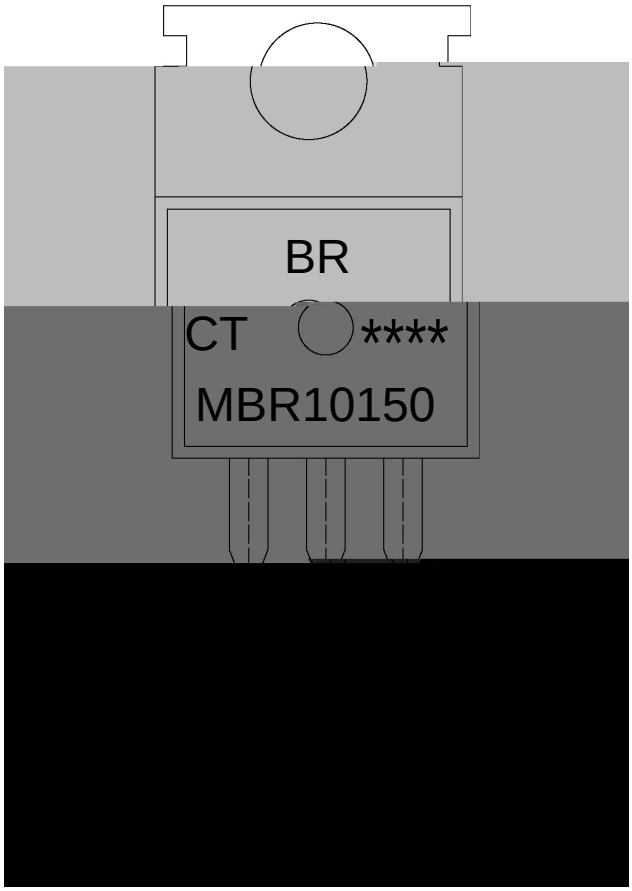
ð м ㄱ ب ˝ See Marking Instructions.

v ̈Ω Parameter	ϒ N Symbol	̈Ω Ö Rating	D Ч Unit
Peak Repetitive Reverse Voltage	V_{RRM}	150	V
Peak Repetitive Forward Current	$I_{F(AV)}$	10	A
Average Rectified Forward Current	I_{FRM}	10	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	150	A
Repetitive Peak Reverse Surge Current	I_{RRM}	0.5	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	2.5	/W
Junction and Storage Temperature Range	T_j,T_{stg}	-55 150	

v ̈Ω Parameter	ϒ N Symbol	╜ : ┤ Ţ Test Conditions	ώ ṇ Ö Min	Ε ʒ Ö Typ	ώ ² Ö Max	D Ч Unit
Reverse Current Voltage	V_R	I_R=1mA	150			V
Forward Voltage	V_F	I_F=5A			0.88	V
		I_F=5A(Tc=125)			0.78	V
Instantaneous Reverse Current	I_R	V_R=150V			0.15	mA
		V_R=150V(Tc=125)			150	mA
Voltage Rate of Change	dv/dt				10000	V/μs


IF - TC
IF(A)
12
10
8
6
4
2
0
25
50
75
100
125
150
175
TC


IFSM
8.3ms Single Half Sine
Wave Jedec Method
PEAK FORWARD SURGE CURRENT-(A)
125
100
75
50
25
0
0
10
20
30
40
50
60
70
80
90
100
NO.OF CYCLES AT 60HZ



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EU χ	ѭ ҳ и Ґђ
P EU43483 χ	ѭ ғ β ҙ ɴ
FW=	ѭ ɲ ԇ ⅃ ═
---- χ	ѭ ɨ ғ ӈ ɴ Ґђ ɪ ɕ ɨ ғ ӈ ɴ Ψ ק
Note:	
BR:	Company Code
MBR10150 χ	Product Type.
CT:	Internal Structure
****:	Lot No. Code, code change with Lot No.