WR0553 ṂṂ Ŀ ≠ g‿ ‖ ㄱ

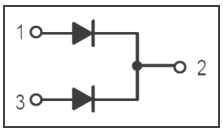
Schottky Barrier Diode in a TO-220 Plastic Package.

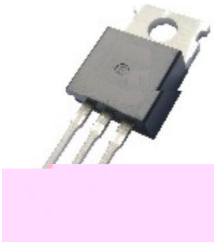
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Low power loss, high efficiency.

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



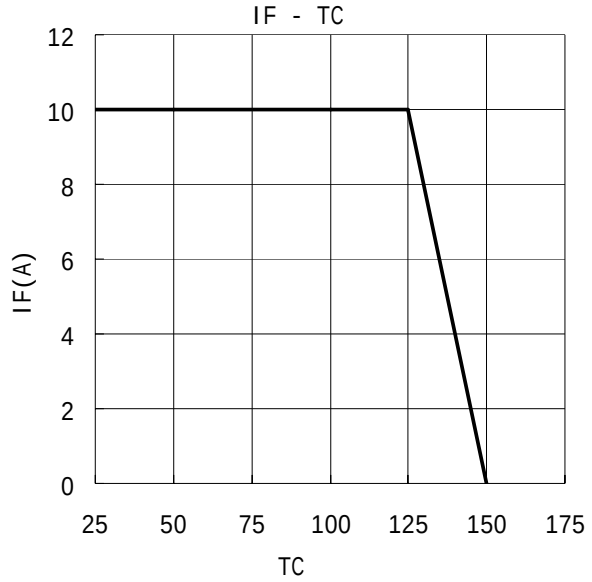



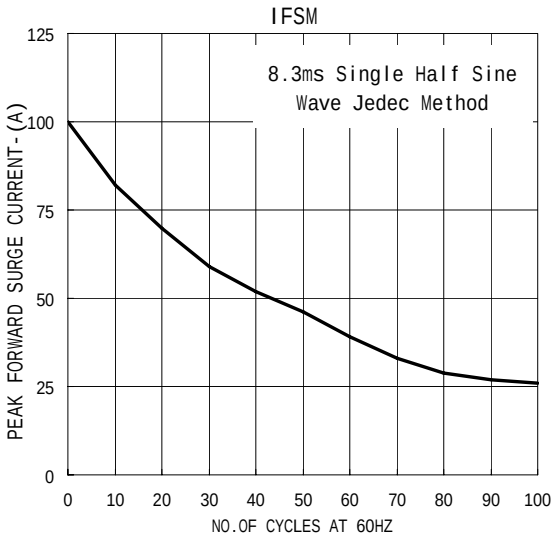
PIN1 Anode PIN 2 Cathode PIN 3 Anode

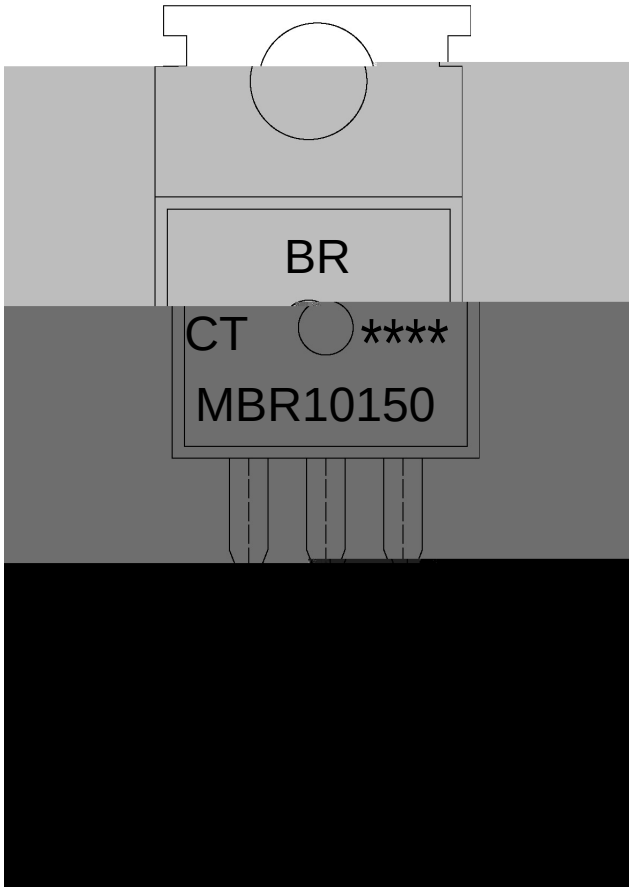
ð м ㄱ ب ˝ See Marking Instructions.

| v ̈Ω<br>Parameter | ϒ N<br>Symbol | ̈Ω Ö<br>Rating | D Ч<br>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<br>Parameter | ϒ N<br>Symbol | ╜ : ┤ Ţ<br>Test Conditions | ώ ṇ Ö<br>Min | Ε ʒ Ö<br>Typ | ώ ² Ö<br>Max | D Ч<br>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




| | |
|---|---|
| ِ ّ χ | |
| 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. |