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TO-252

Schottky Barrier Diode in a TO-252 Plastic Package.

Low power loss, high efficiency, HF Product.

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



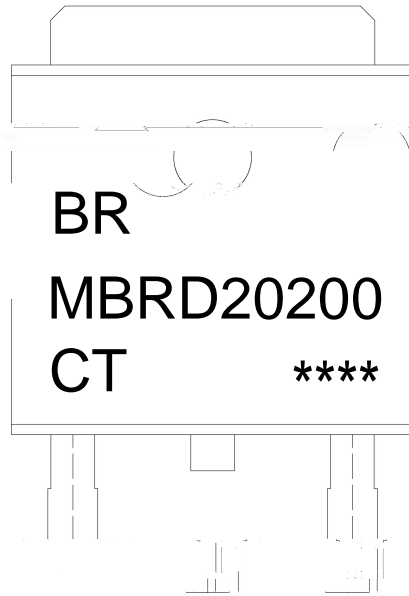
| Parameter | Symbol | Rating | Unit |
|---|-----------------------|---------|---------------|
| Peak Repetitive Reverse Voltage | V_{RRM} | 200 | V |
| Working Peak Reverse Voltage | V_{RWM} | 200 | V |
| Peak Repetitive Forward Current | I_{FRM} | 20 | A |
| Average Rectified Forward Current | $I_{F(AV)}$ | 10 | A |
| | $I_{F(AV)}^{(total)}$ | 20 | A |
| Non-Repetitive Peak Forward Surge Current | I_{FSM} | 150 | A |
| Repetitive Peak Reverse Surge Current | I_{RRM} | 1.0 | A |
| Thermal Resistance Junction to Case | R_{Jc} | 2.0 | $^{\circ}C/W$ |
| Junction Temperature Range | T_j | 150 | $^{\circ}C$ |
| Storage Temperature Range | T_{stg} | -65 150 | $^{\circ}C$ |

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|-------------------------------|--------|----------------------------------|-----|------|-------|------------|
| Forward Voltage | V_F | $I_F = 10A(T_j = 25^{\circ}C)$ | | 0.8 | 0.9 | V |
| | | $I_F = 10A(T_j = 125^{\circ}C)$ | | 0.66 | 0.8 | V |
| | | $I_F = 20A(T_j = 25^{\circ}C)$ | | 0.89 | 1.0 | V |
| | | $I_F = 20A(T_j = 125^{\circ}C)$ | | 0.76 | 0.9 | V |
| Instantaneous Reverse Current | I_R | $V_R = 200V(T_j = 25^{\circ}C)$ | | | 1.0 | mA |
| | | $V_R = 200V(T_j = 125^{\circ}C)$ | | 0.4 | 50 | mA |
| Voltage Rate of Change | dv/dt | | | | 10000 | V/ μ s |

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http://.

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BR
MBRD20200
CT:

Note:

| | |
|-----------|---------------------------------------|
| BR: | Company Code |
| MBRD20200 | Product Type |
| CT: | Internal Structure |
| ****: | Lot No. Code, code change with Lot No |

