MBRB20100CT

| @ ƒ<br>Parameter | … Z<br>Symbol | ƒ ›<br>Rating | % y<br>Unit |
|---|---|---|---|
| Peak Repetitive Reverse Voltage | $V_{RRM}$ | 100 | V |
| Working Peak Reverse Voltage | $V_{RWM}$ | 100 | V |
| Peak Repetitive Forward Current | $I_{FRM}$ | 20 | A |
| Average Rectified Forward Current | $I_{F(AV)}$ | 10 | A |
| | $I_{F(AV)}$ Ätotal Å | 20 | A |
| Non Repetitive Peak Surge Current | $I_{FSM}$ | 150 | A |
| Peak Repetitive Reverse Surge Current | $I_{RRM}$ | 0.5 | A |
| Thermal Resistance Junction to Case | $R_{Jc}$ | 2.0 | /W |
| Junction Temperature Range | $T_j$ | 175 | |
| Storage Temperature Range | $T_{stg}$ | -55 175 | |

| @ ƒ<br>Parameter | … Z<br>Symbol | y ¡ Ú ^<br>Test Conditions | Â 4 ›<br>Min | Á º ›<br>Typ | Â Ý ›<br>Max | % y<br>Unit |
|---|---|---|---|---|---|---|
| Peak Forward Voltage | $V_{FM}$ | $I_F$ =10A($T_C$=25 ) | | | 0.85 | V |
| | | $I_F$ =10A($T_C$=125 ) | | | 0.7 | V |
| | | $I_F$ =20A($T_C$=25 ) | | | 0.95 | V |
| | | $I_F$ =20A($T_C$=125 ) | | | 0.85 | V |

## Ô ? d • Ž ¢ / Electrical Characteristic Curve

## Ø ¤ = ) ¢ / Package Dimensions

## , M y ƒ / Marking Instructions

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Note:

| | |
|---|---|
| BR: | Company Code |
| MBRB20100 y | Product Type Code |
| CT: | Internal Structure |
| ****: | Lot No. Code, code change with Lot No. |

š WD t … • Ž ¢ ( x / ) / : K S V K X G Z [ X K 6 X U L O R K L U X / 8 8 K L R U ] 9 U R J K X O T M 6

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1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;

2o• Q › “ † 245 r 5 - k ž • 4 Ò 5 r 0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

1.Preheating:150~180 - , Time:60~90sec.

2.Peak Temp.:245 r 5 - , Duration:5 r 0.5sec.

3.