

SCHOTTKY BARRIER RECTIFIER

Absolute Maximum Ratings T_C=25°C unless otherwise noted

| Symbol | Parameter | Value | Units |
|----------------------------------|---|-------------|-------|
| V _{RRM} | Maximum Repetitive Reverse Voltage | 100 | V |
| V _R | Maximum DC Reverse Voltage | 100 | V |
| I _{F(AV)} | Average Rectified Forward Current @ T _C = 105°C | 30 | A |
| I _{FSM} | Non-repetitive Peak Surge Current (per diode) 60Hz Single Half-Sine Wave | 250 | A |
| T _{J,} T _{STG} | Operating Junction and Storage Temperature | -65 to +150 | °C |

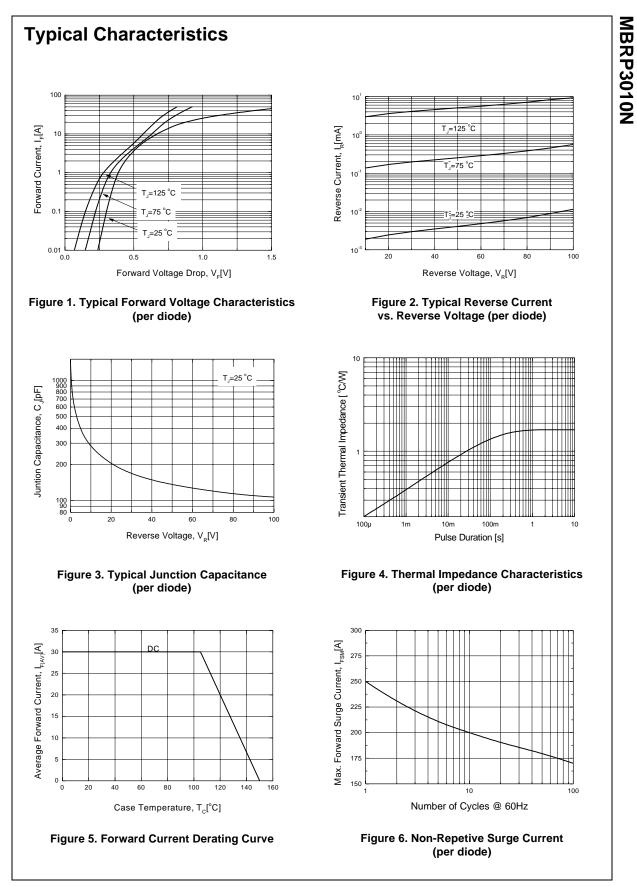
Thermal Characteristics

| Symbol | Parameter | Value | Units |
|-----------------------|--|-------|-------|
| $R_{	extsf{	heta}JC}$ | Maximum Thermal Resistance, Junction to Case (per diode) | 1.7 | °C/W |

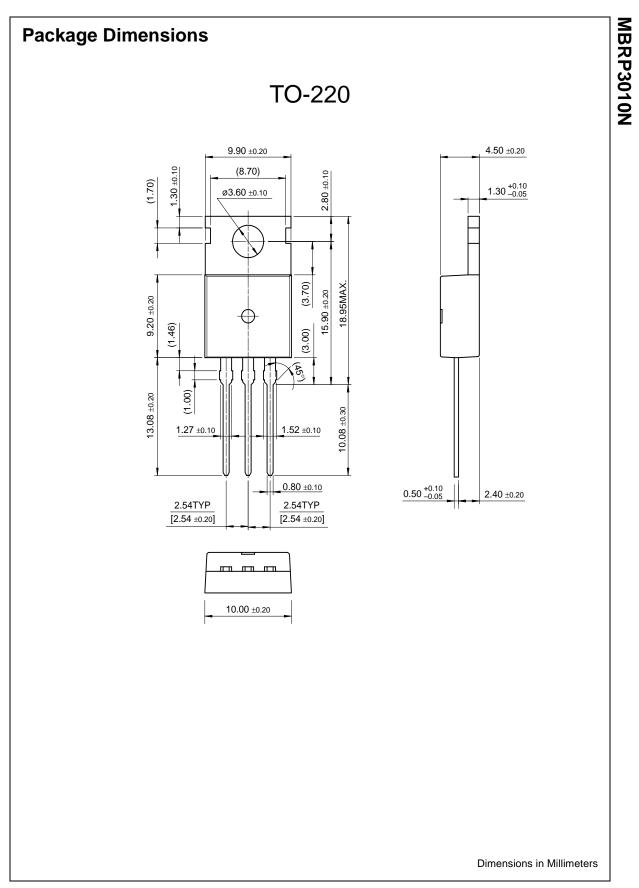
Electrical Characteristics (per diode)

| Symbol | Parameter | | Value | Units |
|-------------------|---|--|------------------------------------|-------|
| V _{FM} * | Maximum Instantaneous Forward Voltage $I_F = 15A$ $I_F = 15A$ $I_F = 30A$ $I_F = 30A$ | $T_{C} = 25 °C$ $T_{C} = 125 °C$ $T_{C} = 25 °C$ $T_{C} = 125 °C$ | 0.85 0.67 1.05(TYP.) 0.80 | V |
| I _{RM} * | Maximum Instantaneous Reverse Current @ rated V _R | T _C = 25 °C T _C = 125 °C | 1 20 | mA |

* Pulse Test: Pulse Width=300µs, Duty Cycle=2%



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|--------------------------|---------------------------|---|
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