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1N483B

Small Signal Diode



DO-35
Color Band Denotes Cathode

Absolute Maximum Ratings * T_a = 25°C unless otherwise noted

| Symbol | Parameter | Value | Unit |
|--------------------|---|-------------|------|
| V _{RRM} | Maximum Repetitive Reverse Voltage | 80 | V |
| I _{F(AV)} | Average Rectified Forward Current | 200 | mA |
| I _{FSM} | Non-repetitive Peak Forward Surge Current | 1.0 | A |
| | Pulse Width = 1.0 second | 4.0 | A |
| T _{STG} | Storage Temperature Range | -65 to +200 | °C |
| T _J | Operating Junction Temperature | 175 | °C |

* These ratings are limiting values above which the serviceability of the diode may be impaired.

NOTES:

- 1) These ratings are based on a maximum junction temperature of 200 degrees C.
- 2) These are steady limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.

Thermal Characteristics

| Symbol | Parameter | Value | Unit |
|------------------|---|-------|------|
| P _D | Power Dissipation | 500 | mW |
| R _{θJA} | Thermal Resistance, Junction to Ambient | 300 | °C/W |

Electrical Characteristics T_C = 25°C unless otherwise noted

| Symbol | Parameter | Conditions | Min. | Max | Units |
|----------------|-------------------|--|------|-----|-------|
| V _R | Breakdown Voltage | I _R = 100μA | 80 | | V |
| V _F | Forward Voltage | I _F = 100mA | | 1.0 | V |
| I _R | Reverse Leakage | V _R = 60V | | 25 | nA |
| | | V _R = 60V, T _A = 150°C | | 5 | μA |

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