SENSITRON SEMICONDUCTOR

TECHNICAL DATA DATASHEET 4732, REV. B

HERMETIC POWER SCHOTTKY RECTIFIER 175°C Maximum Operation Temperature

DESCRIPTION: A 45-VOLT, 35 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC TO-254 PACKAGE.

MAXIMUM RATINGS ALL RATINGS ARE @ T_c = 25 °C UNLESS OTHERWISE SPECIFIED. RATING UNITS SYMBOL MAX. PEAK INVERSE VOLTAGE PIV 45 Volts MAXIMUM DC OUTPUT CURRENT (@ $T_c=70$ °C) 35 Amps I_0 MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine) 150 Amps I_{FSM} MAXIMUM JUNCTION CAPACITANCE $(V_r = 5V)$ Ст 2400 pF MAXIMUM THERMAL RESISTANCE (per leg) 1.15 $R_{\theta JC}$ °C/W

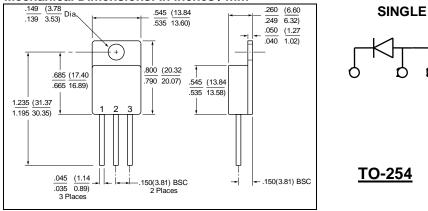
| MAXIMUM OPERATING TEMPERATURE RANGE | Top/Tstg | -65 to + 175 | °C |
|-------------------------------------|----------|-----------------|----|
| MAXIMUM STORAGE TEMPERATURE RANGE | Top/Tstg | -65 to + 175 | °C |

ELECTRICAL CHARACTERISTICS

| CHARACTERISTIC | SYMBOL | MAX. | UNITS |
|--|----------------|------|-------|
| MAXIMUM FORWARD VOLTAGE DROP, Pulsed $(I_f = 35 \text{ Amps})$ | | | |
| T _J = 25 °C | V _f | 0.79 | Volts |
| T _J = 125 °C | | 0.70 | |
| MAXIMUM REVERSE CURRENT (Ir @ 45 V PIV) | | | |
| T _J =25 °C | l _r | 1.2 | mA |
| T _J = 125 °C | | 45 | |

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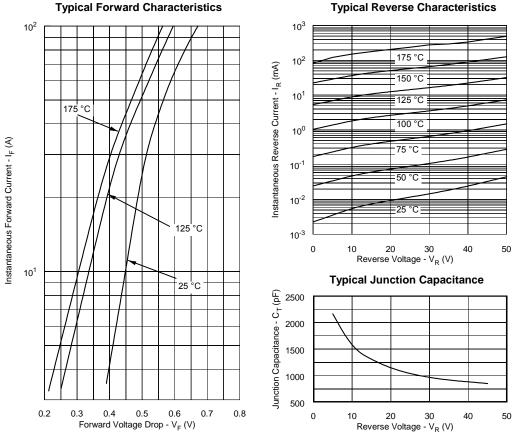
Mechanical Dimensions: In inches / mm



PINOUT TABLE

| ТҮРЕ | PIN 1 | PIN 2 | PIN 3 |
|------------------|---------|-------|-------|
| SINGLE RECTIFIER | CATHODE | ANODE | ANODE |

Curves shown are for bare die only.



Reverse Voltage - V_R (V)

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