

TECHNICAL DATA  
DATA SHEET 4123, REV. A**HERMETIC POWER SCHOTTKY RECTIFIER**  
**Low Reverse Leakage**  
**175 °C Operating Temperature****DESCRIPTION:** 60 VOLT, 15 AMP, POWER SCHOTTKY RECTIFIER IN A TO-257 2-LEAD PACKAGE.**MAXIMUM RATINGS**ALL RATINGS ARE @  $T_C = 25\text{ }^{\circ}\text{C}$  UNLESS OTHERWISE SPECIFIED.

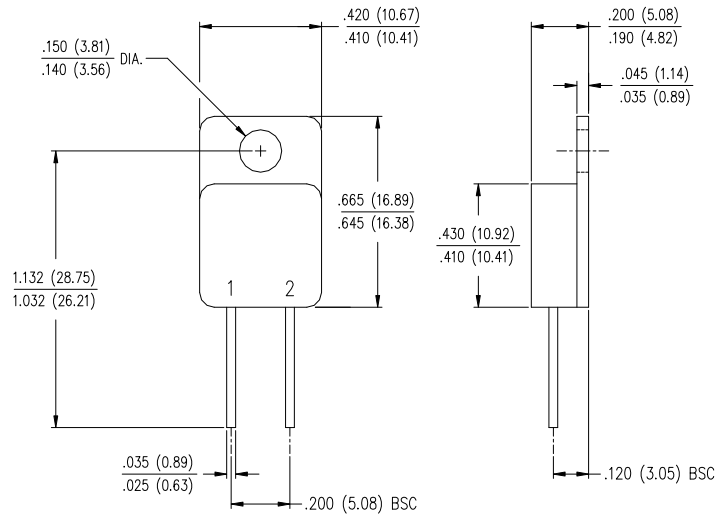
| RATING                                                                                   | SYMBOL          | MAX.            | UNITS                |
|------------------------------------------------------------------------------------------|-----------------|-----------------|----------------------|
| PEAK INVERSE VOLTAGE                                                                     | PIV             | 60              | Volts                |
| MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ $T_C=100\text{ }^{\circ}\text{C}$ ) | $I_O$           | 15              | Amps                 |
| MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT<br>( $t=8.3\text{ms}$ , Sine)                | $I_{FSM}$       | 280             | Amps                 |
| MAXIMUM JUNCTION CAPACITANCE<br>( $V_f=5\text{V}$ )                                      | $C_T$           | 720             | pF                   |
| MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)                       | $R_{\theta JC}$ | 2.0             | $^{\circ}\text{C/W}$ |
| MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE                                          | Top/Tstg        | -65 to<br>+ 175 | $^{\circ}\text{C}$   |

**ELECTRICAL CHARACTERISTICS**

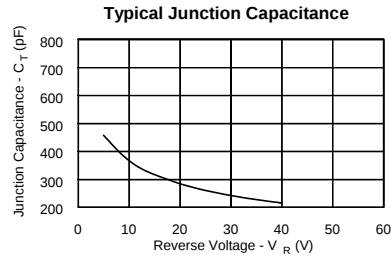
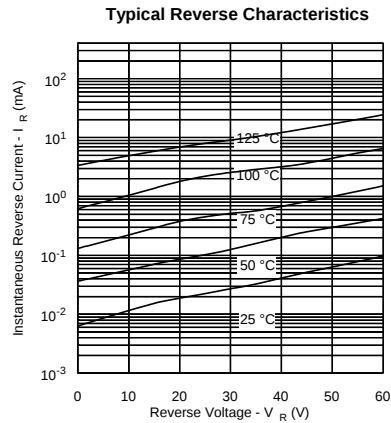
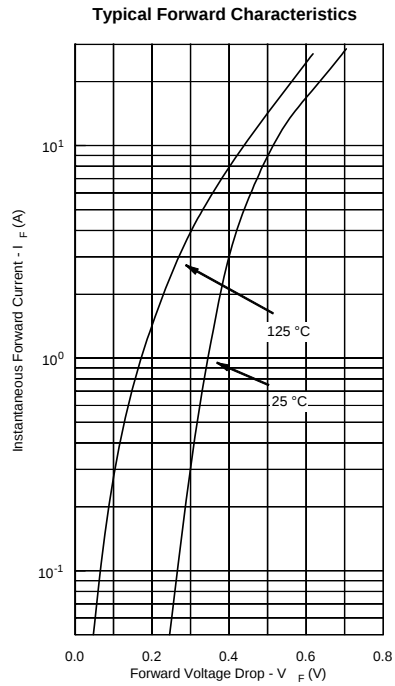
| CHARACTERISTIC                                                                                                                               |       |            |       |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|-------|
| MAXIMUM FORWARD VOLTAGE DROP, Pulsed ( $I_f = 15\text{ Amps}$ )<br>$T_J = 25\text{ }^{\circ}\text{C}$<br>$T_J = 125\text{ }^{\circ}\text{C}$ | $V_f$ | .80<br>.73 | Volts |
| MAXIMUM REVERSE CURRENT ( $I_r$ @ 60V PIV)<br>$T_J = 25\text{ }^{\circ}\text{C}$<br>$T_J = 125\text{ }^{\circ}\text{C}$                      | $I_r$ | 0.4<br>30  | mA    |

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**MECHANICAL DIMENSIONS: In Inches / mm**



**Pin 1: Cathode**  
**Pin 2: Anode**



Note: Vf curves are for bare die only.

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