

**Features**

- Excellent Clamping Capability
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix Designates RoHS Compliant. See Ordering Information)

**Mechanical Data**

- Case: DO-15 Molded Plastic Case

**Maximum Ratings**

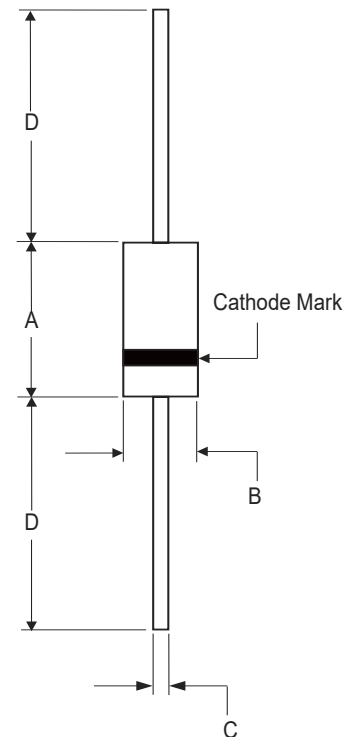
- Operating Junction Temperature Range: -40°C to +175°C
- Storage Temperature Range: -40°C to +175°C

|  |             |       |                        |
|--|-------------|-------|------------------------|
| Peak Pulse Power Surge Current with a 10/1000µs Waveform | $I_{PPM}$   | 2.7A  | Note 2.                |
| Steady State Power Dissipation                           | $P_{M(AV)}$ | 1.5 W | $T_L=90^\circ\text{C}$ |

Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7a.  
2. Non-repetitive current pulse

**136V Peak Clamp  
Transient  
Voltage Suppressor**

**DO-15**



\* : Color band denotes diode cathode band



Internal Configuration

| DIM | DIMENSIONS |       |       |       | NOTE |
|-----|------------|-------|-------|-------|------|
|     | INCHES     |       | MM    |       |      |
|     | MIN        | MAX   | MIN   | MAX   |      |
| A   | 0.230      | 0.300 | 5.80  | 7.60  |      |
| B   | 0.104      | 0.140 | 2.60  | 3.60  |      |
| C   | 0.026      | 0.035 | 0.70  | 0.90  |      |
| D   | 1.000      | ----- | 25.40 | ----- |      |

**Electrical Characteristics @ 25°C Unless Otherwise Specified**

| MCC PART NUMBER | STAND-OFF VOLTAGE (NOTE 1) $V_{WM}(V)$ | MINIMUM BREAKDOWN VOLTAGE AT $I_T=1.0mA$ $V_{(BR)}(V)$ | MAXIMUM REVERSE LEAKAGE AT $V_{WM}$ $I_R(\mu A)$ | MAXIMUM CLAMPING VOLTAGE AT $I_{PP}=2.7A$ $V_C(V)$ | MAXIMUM PEAK PULSE CURRENT $I_{PP}(A)$ | MAXIMUM JUNCTION CAPACITANET AT 0 VOLTS pF | WORKING INVERSE BLOCKING VOLTAGE $V_{WIB}(V)$ | PEAK INVERSE BLOCKING VOLTAGE $V_{PIB}(V)$ |
|-----------------|--|--|--|--|--|--|---|--|
| SAC136          | 136                                    | (150~170)  | 1  | 219  | 2.7                                    | 35   | 700   | 700  |

Curve Characteristics

Fig. 1 - Peak Pulse Power Rating Curve

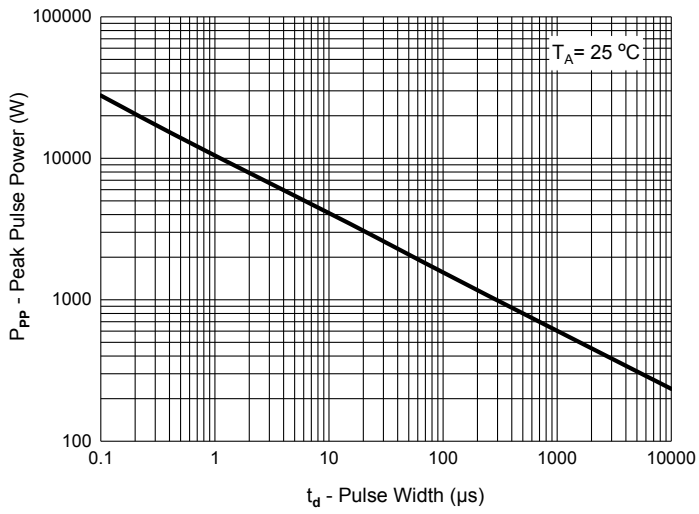
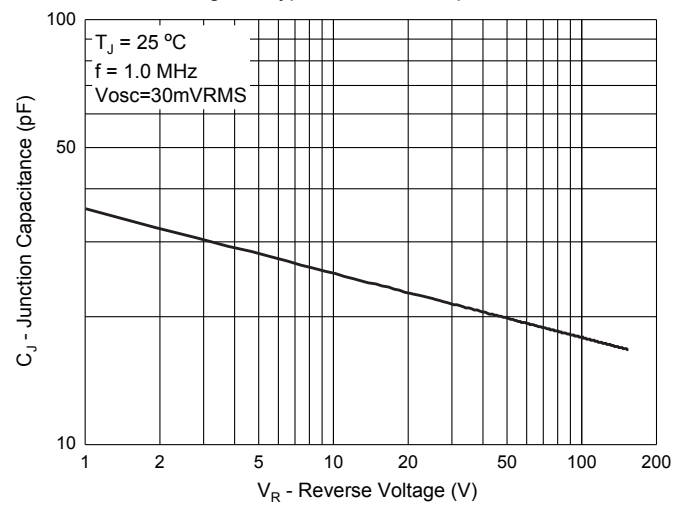


Fig. 2 - Typical Junction Capacitance



## Ordering Information

| Device           | Packing                       |
|------------------|-------------------------------|
| (Part Number)-TP | Tape&Reel: 4Kpcs/Reel         |
| (Part Number)-AP | Ammo Packing: 3Kpcs/Ammo Box  |
| (Part Number)-BP | Bulk:500pcs/Box,25Kpcs/Carton |

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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