

SHV- 01JN

PRV : 500 Volts

Io : 30 mA

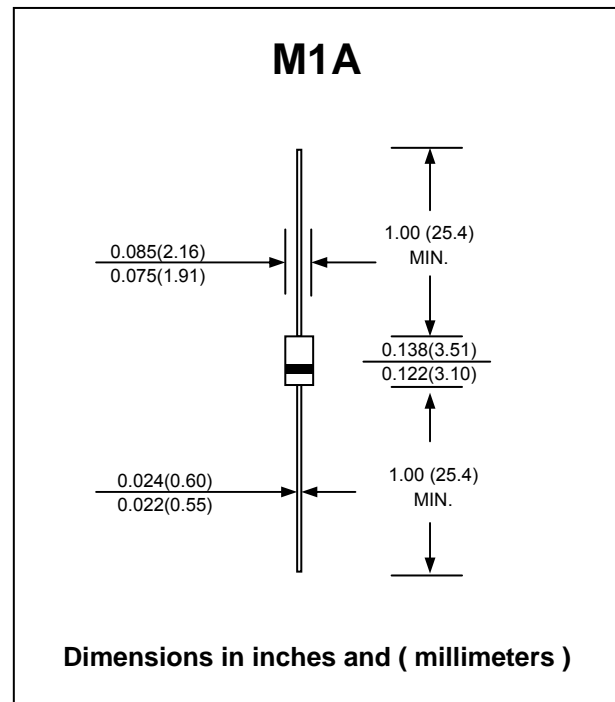
FEATURES :

- * High voltage capability
- * High surge current capability
- * High reliability
- * Low reverse current
- * Low forward voltage drop
- * High voltage diode for Igniters
- * **Pb / RoHS Free**

MECHANICAL DATA :

- * Case : M1A Molded plastic
- * Epoxy : UL94V-O rate flame retardant
- * Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- * Polarity : Color band denotes cathode end
- * Mounting position : Any
- * Weight : 0.20 gram (approximately)

AVALANCHE RECTIFIER DIODE



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

| RATING | SYMBOL | VALUE | UNITS |
|--|---------------|---------------|---------|
| Maximum Peak Reverse Voltage | V_{RM} | 500 | V |
| Maximum Average Forward Current | $I_{F(AV)}$ | 30 | mA |
| Peak Reverse Surge Current 50 Hz half-wave single | I_{RSM} | 3 | A |
| Maximum Peak Forward Voltage at $I_F = 10$ mA. | V_F | 1.0 | V |
| Maximum Reverse Current at $V_R = V_{RM}$ | I_R | 10 | μ A |
| Zener Voltage at $I_R = 100$ μ A | $V_{Z(Min.)}$ | 0.55 | kV |
| | $V_{Z(Max.)}$ | 1.0 | |
| Operating Junction Temperature Range | T_J | - 40 to + 150 | °C |
| Storage Temperature Range | T_{STG} | - 40 to + 150 | °C |