

SHV- 01JN

AVALANCHE RECTIFIER DIODE

PRV : 500 Volts

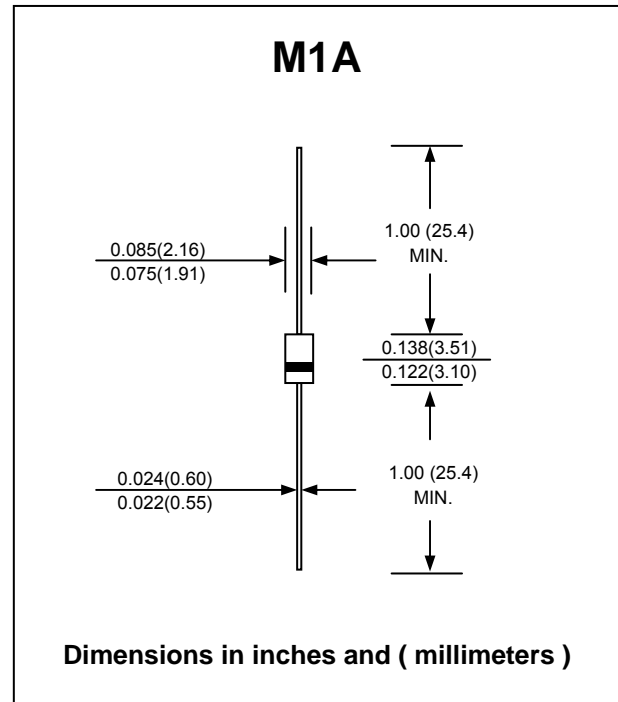
Io : 30 mA

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)



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	$^{\circ}$ C
Storage Temperature Range	T_{STG}	- 40 to + 150	$^{\circ}$ C