

1SR35-400A

SILICON RECTIFIER DIODES

PRV : 400 Volts

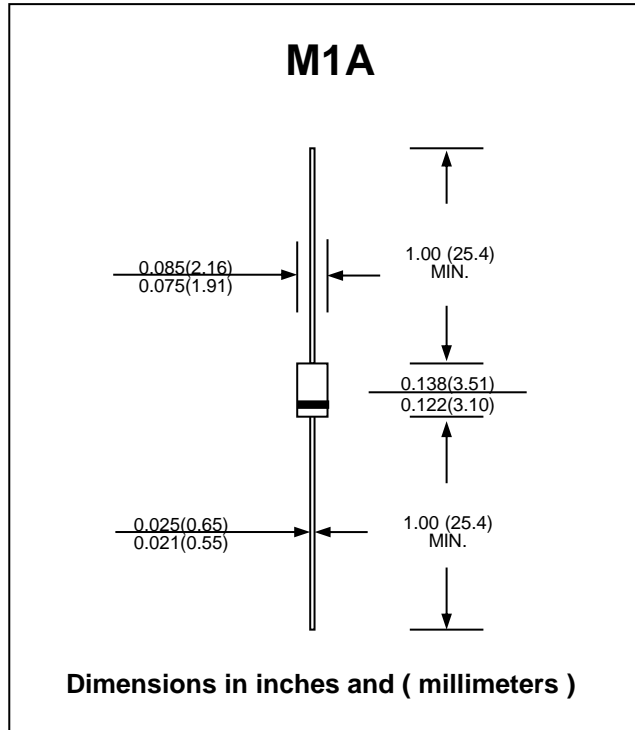
Io : 1.0 Ampere

FEATURES :

- * Glass passivated junction chip
- * High current capability
- * High surge current capability
- * High reliability
- * Low reverse current
- * Low forward voltage drop
- * **Pb / RoHS Free**

MECHANICAL DATA :

- * Case : M1A Molded plastic
- * Epoxy : UL94V-0 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. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

RATING	SYMBOL	1SR35-400A	UNIT
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	400	V
Maximum DC Blocking Voltage	V_{DC}	400	V
Maximum Absolute Peak Reverse Voltage	V_{RSM}	500	V
Maximum Average Forward Current 0.375"(9.5mm) Lead Length Ta = 50 °C	$I_{F(AV)}$	1.0	A
Maximum Peak Forward Surge Current 8.3ms Single half sine wave Superimposed on rated load (JEDEC Method)	I_{FSM}	30	A
Maximum Forward Voltage at $I_F = 1.0$ A	V_F	1.1	V
Maximum DC Reverse Current at $V_R = V_{RRM}$	I_{RM}	10	μA
Junction Temperature Range	T_J	- 65 to + 175	°C
Storage Temperature Range	T_{STG}	- 65 to + 175	°C

RATING AND CHARACTERISTIC CURVES (1SR35-400A)

