

D32 - D60

V_{BR} : 32 - 60 Volts

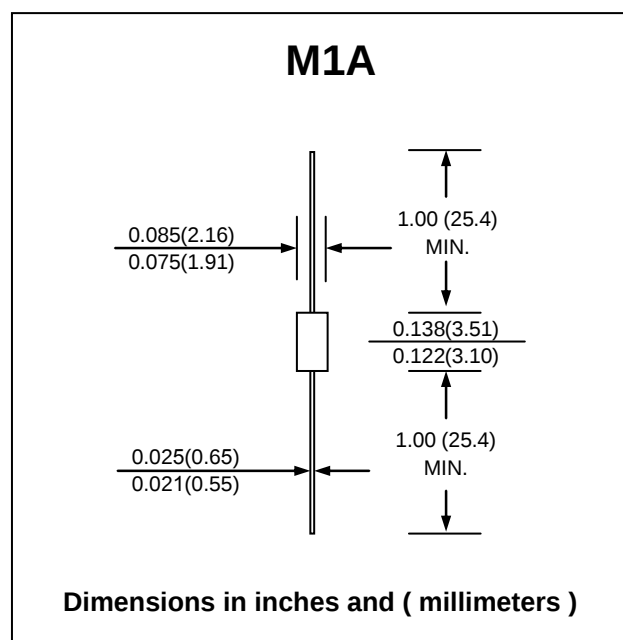
FEATURES :

- * High current capability
- * High reliability
- * Low leakage current
- * Low power dissipation
- * **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)

BI-DIRECTIONAL TRIGGER DIACS



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specifie.

RATING	SYMBOL	D32	D35	D40	D50	D60	UNIT
Minimum Breakover Voltage	V _{BR(Min.)}	27	30	35	42	50	Volts
Typical Breakover Voltage	V _{BR(Typ.)}	32	35	40	50	60	Volts
Maximum Breakover Voltage	V _{BR(Max.)}	37	40	45	58	70	Volts
Peak Pulse Current (Note 1)	I _{TRM}	2.0			1.6		Amps.
Maximum Breakover Voltage Symmetry	[V _{BR1}] - [V _{BR2}]	3.0			4.0		Volts
Minimum Dynamic Breakback Voltage	ΔV ±	5.0			8.0	10	Volts
Maximum Breakover Current	I _{(BR)1} & I _{(BR)2}	100					μA
Power Dissipation @ Ta = 50°C	P _D	300					mW
Maximum Leakage Current	I _B	10					μA
Junction Temperature Range	T _J	- 40 to + 100					°C
Storage Temperature Range	T _{STG}	- 40 to + 125					°C

Note :

(1) For 10μs @ 120Hz repetition rate, Ta ≤ 40°C