

# D32 - D60

**V<sub>BR</sub> : 32 - 60 Volts**

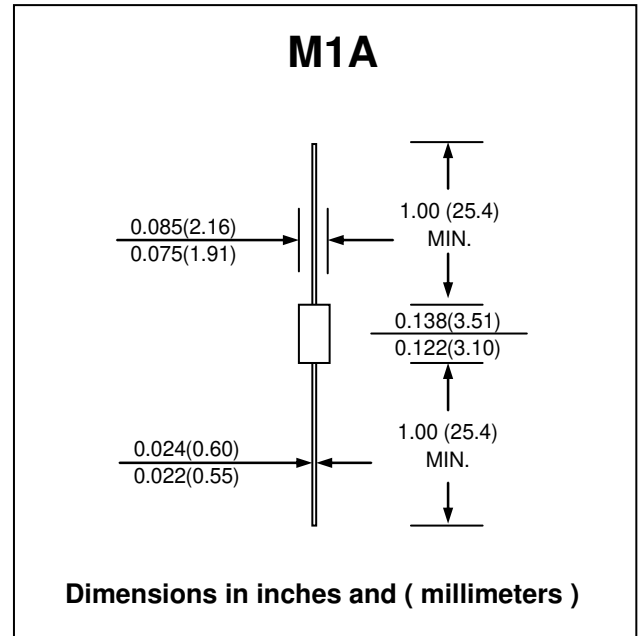
**FEATURES :**

- \* 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 <sub>BR(Min.)</sub>	27	30	35	42	50	Volts
Typical Breakover Voltage	V <sub>BR(Typ.)</sub>	32	35	40	50	60	Volts
Maximum Breakover Voltage	V <sub>BR(Max.)</sub>	37	40	45	58	70	Volts
Peak Pulse Current (Note 1)	I <sub>TRM</sub>	2.0			1.6		Amps.
Maximum Breakover Voltage Symmetry	[V <sub>(BR)1</sub> ] - [V <sub>(BR)2</sub> ]	3.0			4.0		Volts
Minimum Dynamic Breakback Voltage	ΔV ±	5.0			8.0	10	Volts
Maximum Breakover Current	I <sub>(BR)1</sub> & I <sub>(BR)2</sub>	100					μA
Power Dissipation @ Ta = 50°C	P <sub>D</sub>	300					mW
Maximum Leakage Current	I <sub>B</sub>	10					μA
Junction Temperature Range	T <sub>J</sub>	- 40 to + 100					°C
Storage Temperature Range	T <sub>STG</sub>	- 40 to + 125					°C

**Note :**

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