

D32P - D60P

BI-DIRECTIONAL TRIGGER DIACS

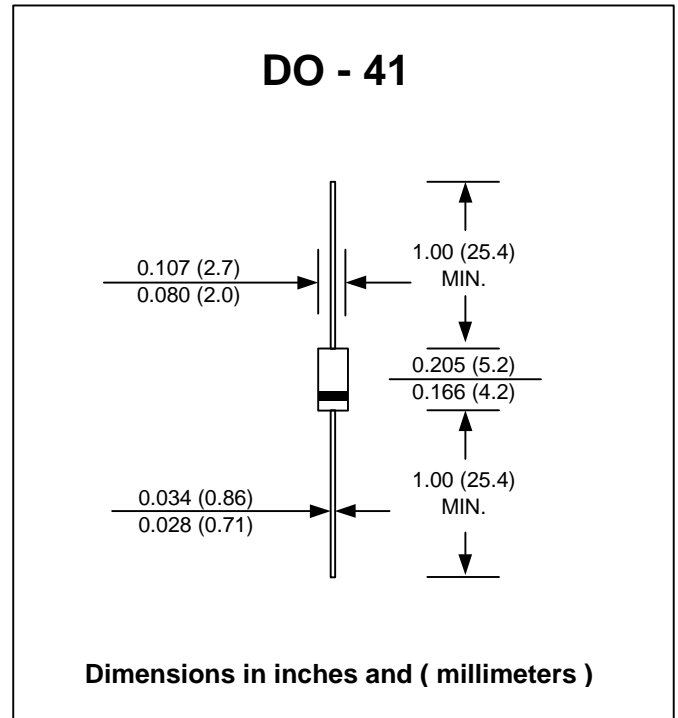
V_{BR} : 32 - 60 Volts

FEATURES :

- * High current capability
- * High reliability
- * Low leakage current
- * Low power dissipation
- * **Pb / RoHS Free**

MECHANICAL DATA :

- * Case : DO-41 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 : 0.339 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

RATING	SYMBOL	D32P	D35P	D40P	D50P	D60P	UNIT
Minimum Breakover Voltage	$V_{BR(Min.)}$	27	30	35	42	56	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	I_{TRM}	2.0			1.6		Amps.
Maximum Breakover Voltage Symmetry	$[V_{(BR)1}] - [V_{(BR)2}]$	3.0			4.0		Volts
Minimum Dynamic Breakback Voltage	$ \Delta V \pm $	5.0			8.0	10	Volts
Maximum Breakover Current	$I_{(BR)1}$ & $I_{(BR)2}$	100					μA
Power Dissipation @ $T_a = 50^\circ C$	P_D	300					mW
Maximum Leakage Current	I_B	10					μA
Junction Temperature Range	T_J	- 40 to + 100					$^\circ C$
Storage Temperature Range	T_{STG}	- 40 to + 125					$^\circ C$

Note :

(1) For 10 μs @ 120Hz repetition rate, $T_a \leq 40^\circ C$