New Jersey Semi-Conductor Products, Inc.

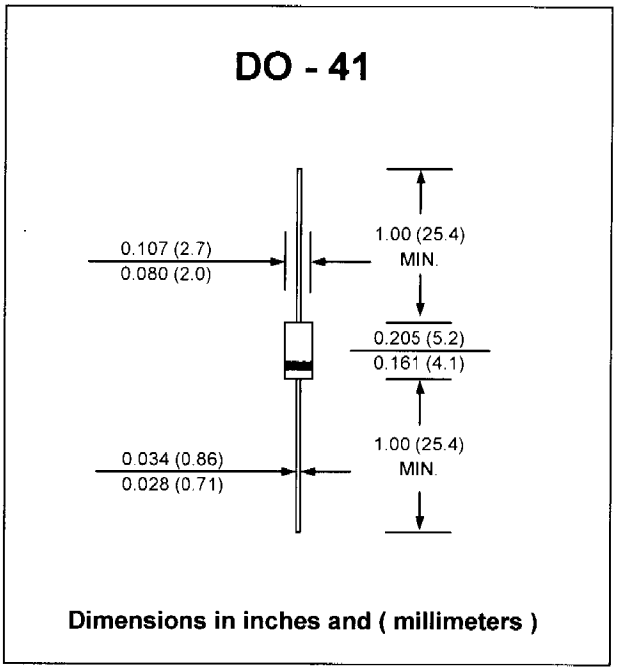
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D32P - D60P

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 specifie.

RATING	SYMBOL	D32P	D35P	D40P	D50P	D60P	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	$[V_{(BR)1}] - [V_{(BR)2}]$	3.0			4.0		Volts
Minimum Dynamic Breakback Voltage	$\lvert \Delta V \pm \rvert$	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

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Quality Semi-Conductors

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