

SEMICONDUCTOR

DO-35 Hermetically Sealed Glass BI-directional Trigger Diode



Absolute Maximum Ratings T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P _D	Power Dissipation @ Ta = 50°C	150	mW
I _{TRM}	Repetitive peak on-state current tp = 20us, F = 120Hz	2	A
T _{stg} T _j	Storage temperature range Operating junction temperature	-40 ~ 125	°C



These ratings are limiting values above which the serviceability of the diode may be impaired.

Specification Features:

- V_{BO} = 32V
- DO-35 Package (JEDEC)
- Through-Hole Device Type Mounting
- Hermetically Sealed Glass
- Compression Bonded Construction
- All External Surfaces Are Corrosion Resistant And Leads Are Readily Solderable
- RoHS Compliant
- Solder Hot Dip Tin (Sn) Terminal Finish

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	Limits		Unit
Symbol			Min	Max	Unit
V _{BO}	Breakover Voltage	C = 22nF (note 2)	28	36	Volts
[V _{во'}]- [V _{во}]	Breakover Voltage Symmetry	C = 22nF (note 2)		3	Volts
[ΔV]	Dynamic Breakover Voltage	$V_{\mbox{\scriptsize BO}}$ and VF at 10mA	5		Volts
Vo	Output Voltage	See diagram 2 (R = 20 Ω)	5		Volts
I _{BO}	Breakover Current	C = 22nF (note 2)		50	uA
T _R	Rise Time	See diagram 3		2	uS
IB	Leakage Current	$V_R = 0.5 V_{BO} max$		10	uA
I _P	Peak Current	See diagram 2		0.3	А

Notes:

1. All parameters applicable to both forward and reverse directions.

2. Connected in parallel in the device



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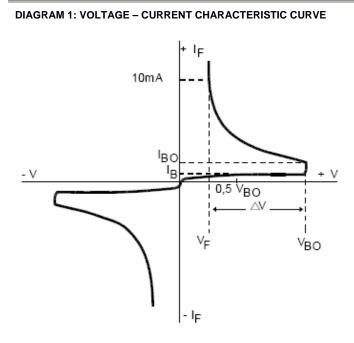
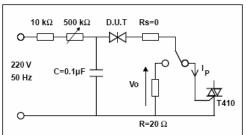
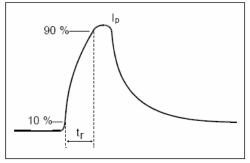


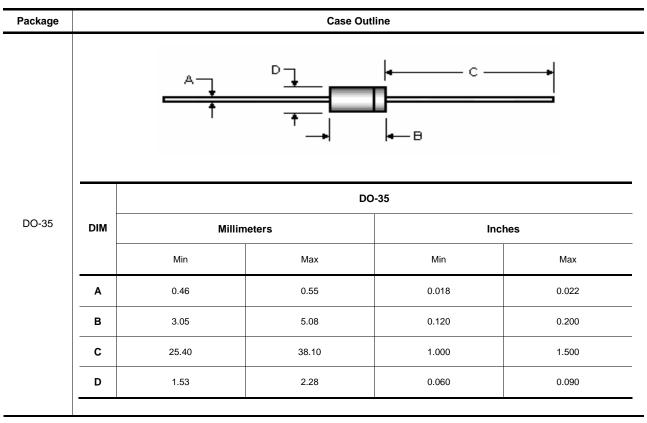
DIAGRAM 2: TEST CIRCUIT







Package Outline



Notes:

1. All dimensions are within JEDEC standard.

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NOTICE

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