BIDIRECTIONAL TRIGGER DIODE

DB3 BREAKOVER VOLTAGE: 32V POWER: 150mW

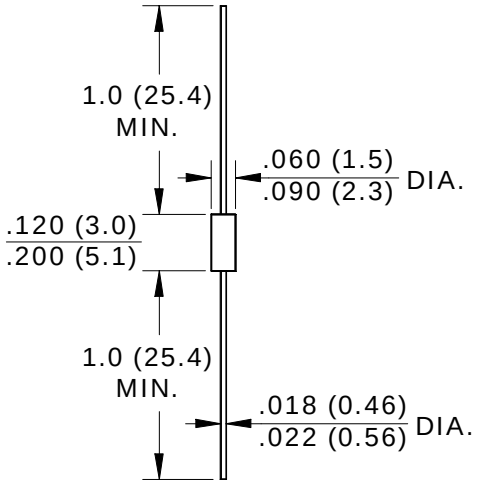
FEATURES

- VBO: 26 ~ 36V version
- Low breakover current
- High temperature soldering guaranteed: 250°C/10S/9.5mm lead length at 5 lbs tension

MECHANICAL DATA

- Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C
- Case: Glass,hermetically sealed
- Mounting position: Any

DO - 35



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

(Rating at 25°C ambient temperature unless otherwise specified)

RATINGS		TEST CONDITION	SYMBOL	VALUE			UNITS
				Min.	Typ.	Max.	
Breakover Voltage *		C=22nF **	V_{BO}	26	32	36	V
Breakover Voltage Symmetry		C=22nF **	$\|+V_{BO}\|-\|-V_{BO}\|$	-3		3	V
Dynamic Breakover Voltage *		(Note 1)	$\|\Delta V \pm \|$	5			V
Output Voltage *			V_O	5			V
Breakover Current *		C=22nF **	I_{BO}			100	µA
Rise Time *			tr		1.5		µS
Leakage Current *		V_R=0.5V_{BO}	I_B			10	µA
Power Dissipation on Printed Circuit		Ta=65°C	Pd			150	mW
Repetitive Peak on-state Current		tp=20µS f=100Hz	I_{TRM}			2	A
Thermal Resistances	Junction to Ambient		R_θ(ja)			400	°C/W
	Junction to Lead		R_θ(jl)			150	
Operating Junction and Storage Temperature Range			T_J,T_{STG}	-40		125	°C

* : Electrical characteristic applicable in forward and reverse directions.

** : Connected in parallel with the devices.

Note:

1. I_F from I_{BO} to 10mA.