



## DB3

### BIDIRECTIONAL TRIGGER DIODE

**BREAKOVER VOLTAGE: 32V**

**POWER: 150mW**

### TECHNICAL SPECIFICATION

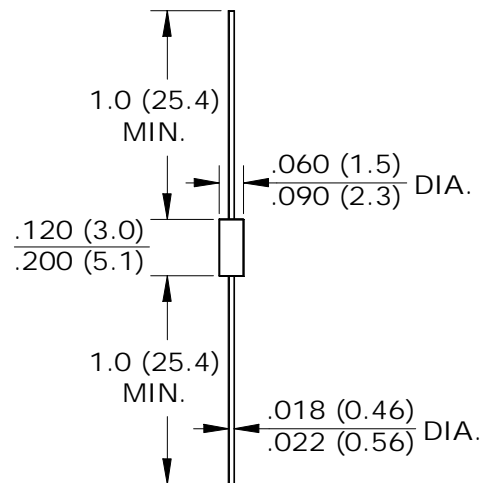
#### FEATURES

- 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	$\mu A$
Rise Time *		tr		1.5		$\mu S$
Leakage Current *	$V_R = 0.5V_{BO}$	$I_B$			10	$\mu A$
Power Dissipation on Printed Circuit	$T_a = 65^\circ C$	Pd			150	mW
Repetitive Peak on-state Current	tp=20 $\mu S$ f=100Hz	$I_{TRM}$			2	A
Thermal Resistances	Junction to Ambient	$R_{\theta(ja)}$			400	$^\circ C/W$
	Junction to Lead	$R_{\theta(jl)}$			150	
Operating Junction and Storage Temperature Range		$T_J, T_{STG}$	-40		125	$^\circ C$

\* : Electrical characteristic applicable in forward and reverse directions.

\*\* : Connected in parallel with the devices.

Note:

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