

# DB3 THRU DB6

## SILICON BIDIRECTIONAL DIAC

VOLTAGE: 36-70V

CURRENT: 2.0A

### FEATURES

Plastic passivated three-layer for triggering thyristors.  
 Low breakover current at breakover voltage.  
 For use in thyristor phase-control circuit for lampdimming,  
 universal-motor speed control and heat controls.

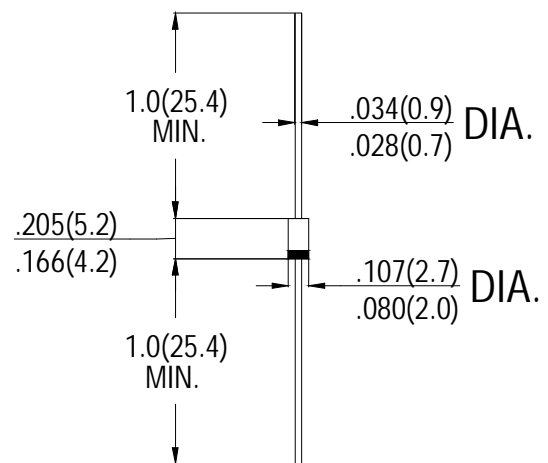
### MECHANICAL DATA

- **Case:** Molded plastic
- **Epoxy:** UL94V-0 rate flame retardant
- **Lead:** MIL-STD- 202E, Method 208 guaranteed
- **Polarity:** Color band denotes cathode end
- **Mounting position:** Any
- **Weight:** 0.33 grams

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.  
 Single phase, half wave, 60 Hz, resistive or inductive load  
 For capacitive load, derate current by 20%.

### DO-41



Dimensions in inches and (millimeters)

Type	Test Current $I_{TRM}$	Breakover Voltage $V_{BO}$		Breakover Voltage Symmetry $ +V_{BO} $ $ -V_{BO} $	Dynamic Breakover Voltage $ \pm\Delta V $	Output Voltage $V_O$	Breakover Current $I_{BO}$	Rise Time $t_r$	Leakage Current $I_B$	Case Style
		Min	Max							
DB3	2	28	36	$\pm 3$	5	5	100	1.5	10	DO-41
DB4	2	35	45	$\pm 3$	5	5	100	1.5	10	DO-41
DB6	2	56	70	$\pm 4$	10	5	100	1.5	10	DO-41

- Notes: 1. Electrical characteristics applicable in both forward and reverse directions.  
 2. Connected in parallel with the devices.