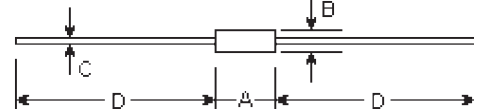


Features

The three-layer, two terminal, axial lead, hermetically sealed diacs are designed specifically for triggering thyristors. They demonstrate low breakover current at breakover voltage as they with stand peak pulse current. The breakover symmetry is within four volts with a typical breakover voltage of 32 volts. These diacs are intended for use in thyristor phase control, circuits for lamp-dimming, universal-motor speed controls, and heat controls.

DO-35



GOOD-ARK's DB-3 is a bi-directional trigger diode designed to operate in conjunction with all of GOOD-ARK Electronics' Triacs and SCR's.

Storage temperature T_{STG} -40°C to +150°C
 Operating temperature T_J -40°C to +100°C
 Maximum ratings at 50°C ambient
 Peak current (10uSec duration,
 120 cycle repetition rate) $I_p \pm 2$ Amperes Max.
 Peak output voltage $e_p \pm 3$ volts Min. *

DIMENSIONS					
DIM	inches		mm		Note
	Min.	Max.	Min.	Max.	
A	-	0.154	-	3.9	
B	-	0.075	-	1.9	ϕ
C	-	0.020	-	0.52	ϕ
D	1.083	-	27.50		

Characteristics at 25°C Ambient

Test	Symbols	Min.	Typ.	Max.	Units
Breakover voltage	$V_{(BR)1}$ and $V_{(BR)2}$	28	32	36	Volts
Breakover currents	$I_{(BR)1}$ and $I_{(BR)2}$	-	-	200	uAmp
Breakover voltage symmetry	$[V_{(BR)1}] - [V_{(BR)2}]$	-	-	3.8	Volts
Thermal Impedance Junction to Ambient	$R_{\theta JA}$	-	-	60	°C/W

* CIRCUIT FOR PEAK OUTPUT VOLTAGE TEST

