



## DB3 DB4 SMDB3

DIAC

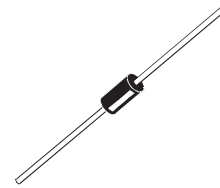
### FEATURES

- $V_{BO}$  : 32V and 40V
- LOW BREAKOVER CURRENT

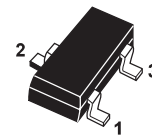
### DESCRIPTION

Functioning as a trigger diode with a fixed voltage reference, the DB3/DB4 series can be used in conjunction with triacs for simplified gate control circuits or as a starting element in fluorescent lamp ballasts.

A new surface mount version is now available in SOT-23 package, providing reduced space and compatibility with automatic pick and place equipment.



DO-35  
(DB3 and DB4)



SOT-23  
(SMDB3)\*  
Pin 1 and 3 must be shorted together

### ABSOLUTE MAXIMUM RATINGS (limiting values)

Symbol	Parameter		Value	Unit
$I_{TRM}$	Repetitive peak on-state current $t_p = 20 \mu s$ $F = 120 \text{ Hz}$	SMDB3	1.00	A
		DB3 / DB4	2.00	
$T_{stg}$ $T_j$	Storage temperature range Operating junction temperature range		- 40 to + 125	°C

Note: \* SMDB3 indicated as Preliminary spec as product is still in development stage.