

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

### **Features**

- The three layer, two terminal, axial lead, hermetically sealed diacs are designed specifically for triggering thyristors.
- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates RoHS Compliant. See ordering information)
- High temperature soldering guaranteed
- 250 C/10 seconds,0.375" (9.5mm) lead length,
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

### **Maximum Ratings**

- Operating Temperature: -40°C to +110°C
- Storage Temperature: -40°C to +125°C

#### Electrical Characteristics @ 25°C Unless Otherwise Specified

Power dissipation			
on Printed	Pa	150mW	
Circuit(I=10mm)	· C	1001111	T <sub>A</sub> =65°C
Repetitive Peak			
on-state Current	1		
DB3,DC34,DB4	'IRM	2.0A	
DB6		16A	t <sub>p</sub> =10us,t=100Hz
Breakover Voltage		Min Typ Max	
	$V_{BO}$	28 32 36V	C=22nF(Note 3)
Breakover Voltage			
Symmetry	+V <sub>BO</sub>		C=22nE(Note 3)
	- -V <sub>BO</sub>	±3V	
Output	V	51/	
Voltage(Note 2)	• o(min)	01	
Breakover		100uA	C=22nF
Current(Note 2)		1000,1	0 22
Rise Time(Note 2)	T <sub>r</sub>	1.5µs	
Leakage		10μ <b>Δ</b>	$V_{\rm p}=0.5V_{\rm po}$
Current(Note 2)	•B(max)	ισμΑ	



DB3A



DIMENSIONS						
	INCHES		ММ			
DIM	MIN	MAX	MIN	MAX	NOTE	
А	.166	.205	4.10	5.20		
В	.080	.107	2.00	2.70		
С		.024		.60		
D	1.000		25.40			
			20.10			

Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.

2. Electrical characteristics applicable in both forward and

reverse directions

3. Connected in parallel with the devices.

## www.mccsemi.com

#### **Revision:** A

# DB3A





# •www.mccsemi.com

#### **Revision:** A

#### 2011/05/12



#### **Ordering Information :**

Device	Packing
Part Number-TP	Tape&Reel: 5Kpcs/Reel

#### **\*\*\*IMPORTANT NOTICE\*\*\***

*Micro Commercial Components Corp.* reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes. *Micro Commercial Components Corp*. does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold *Micro Commercial Components Corp*. and all the companies whose products are represented on our website, harmless against all damages.

#### \*\*\*LIFE SUPPORT\*\*\*

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

#### \*\*\*CUSTOMER AWARENESS\*\*\*

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.

## www.mccsemi.com