NOT RECOMMENDED FOR NEW DESIGNS





Micro Commercial Components

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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 Compliant. See ordering information)
- Moisture Sensitivity: Level 1 per J-STD-020C
- These diacs are intended for use in thyrisitors phase control, circuits for lamp dimming, universal motor speed control, and heat control.

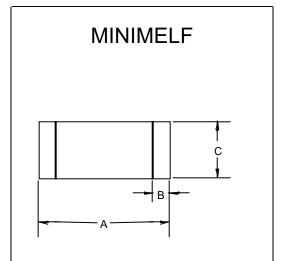
Maximum Ratings

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

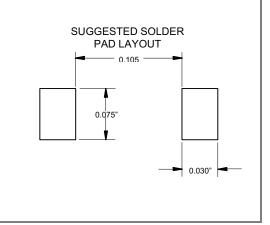
Electrical Characteristics @ 25°C Unless Otherwise Specified

Power dissipation on Printed Circuit(I=10mm)	Pc	150mW	T _A =50°C
Repetitive Peak			
on-state Current	I _{TRM}	2.0A	t _p =10us,f=100Hz
Breakover Voltage		Min Typ Max	
	V _{BO}	35 40 45V	C=22nF(Note 3)
Breakover Voltage Symmetry	+V _{BO} - -V _{BO}	±3V	C=22nF(Note 3)
Output Voltage(Note 2)	V _{o(min)}	5V	
Breakover Current(Note 2)	I _{BO(max)}	100uA	C=22nF
Rise Time(Note 2)	T_r	1.5us	
Leakage Current(Note 2)	I _{B(max)}	10uA	V _B =0.5V _{BO(max)}

SILICON BIDIRECTIONAL DIAC



DIMENSIONS						
	INCHES		ММ			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.134	.142	3.40	3.60		
В	.008	.016	.20	.40		
С	.055	.059	1.40	1.50	Ø	



te: 1. Lead in Glass Exemption Applied, see EU Directive Annex 7(C)-I.

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



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DIAGRAM 1: Current-voltage characteristics

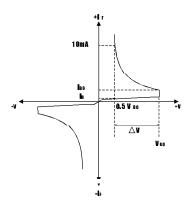


FIG.1-Power dissipation versus ambient temperature (maximum values)

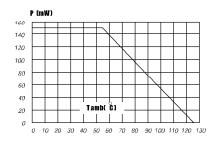


FIG.3-Peak pulse current versus pulse duration (maximum values)

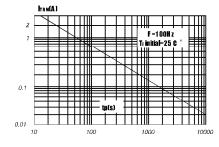


DIAGRAM 2: Test aircuit for output voltage

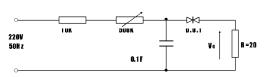


DIAGRAM 3: Test aircuit see alagram2 adjust R for I=0.5A

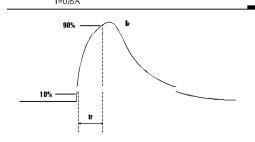
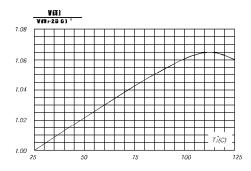


FIG.2-Relative variation of VBO versus junction temperature(typical values)





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Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

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