



Micro Commercial Components

Micro Commercial Components  
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# LLDB3

## Features

- Breakover Voltage: 32V
- Breakover Voltage Range: 28V to 36V

## Maximum Ratings

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

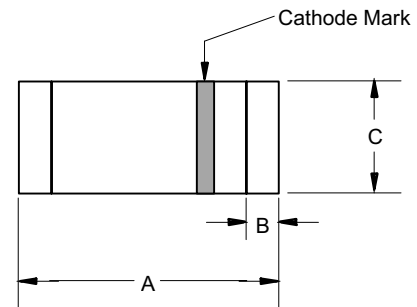
### Electrical Characteristics @ 25°C Unless Otherwise Specified

Power dissipation on Printed Circuit (l=10mm)	P <sub>C</sub>	150mW	T <sub>A</sub> =50°C
Repetitive Peak on-state Current	I <sub>TRM</sub>	2.0A	t <sub>p</sub> =20us, f=120Hz
Breakover Voltage	V <sub>BO</sub>	Min Typ Max 28 32 36V	C=22nF (Note 2)
Breakover Voltage Symmetry	+V <sub>BO</sub>	±3V	C=22nF (Note 2)
Output Voltage (Note 1)	V <sub>o(min)</sub>	5V	
Breakover Current (Note 1)	I <sub>BO(max)</sub>	50uA	C=22nF
Rise Time (Note 1)	T <sub>r</sub>	2.0us	
Leakage Current (Note 1)	I <sub>B(max)</sub>	10uA	V <sub>B</sub> =0.5V <sub>BO(max)</sub>

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

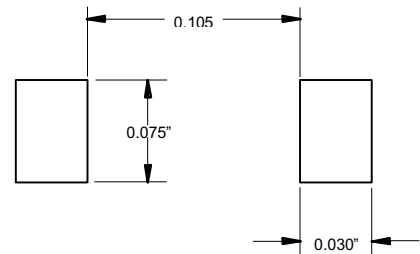
## SILICON BIDIRECTIONAL DIAC

### MiniMELF

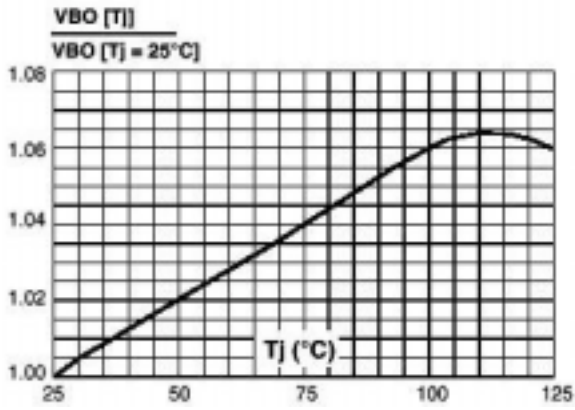


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.134	.142	3.40	3.60	
B	.008	.016	.20	.40	
C	.055	.059	1.40	1.50	∅

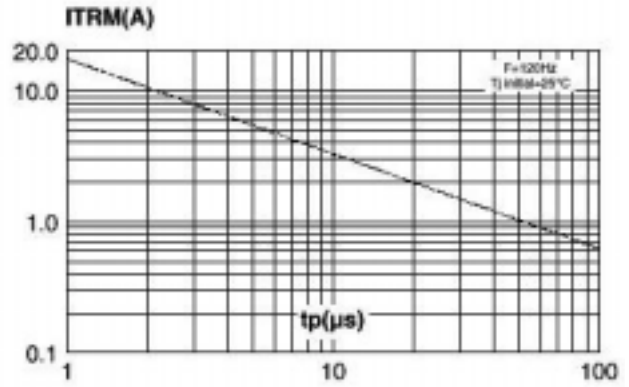
### SUGGESTED SOLDER PAD LAYOUT



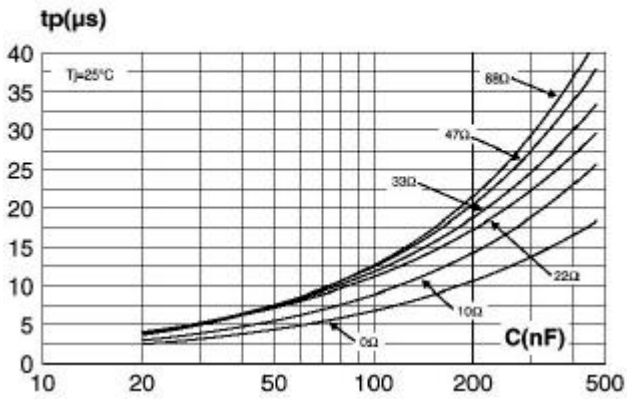
**Fig. 1:** Relative variation of VBO versus junction temperature (typical values)



**Fig. 2:** Repetitive peak pulse current versus pulse duration (maximum values).



**Fig. 3:** Time duration while current pulse is higher 50mA versus C and Rs (typical values).





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## Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;2.5Kpcs/Reel

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