



# THE DATASHEET OF LLDB3-TP





Micro Commercial Components



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# LLDB3

## SILICON BIDIRECTIONAL DIAC

### Features

- Breakover Voltage: 32V
- Breakover Voltage Range: 28V to 36V
- Lead Free Finish/RoHS Compliant(Note 3) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

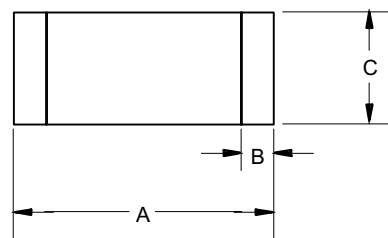
### Maximum Ratings

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

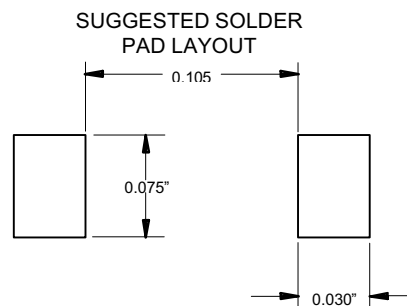
### Electrical Characteristics @ 25°C Unless Otherwise Specified

Power dissipation on Printed Circuit(I=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>

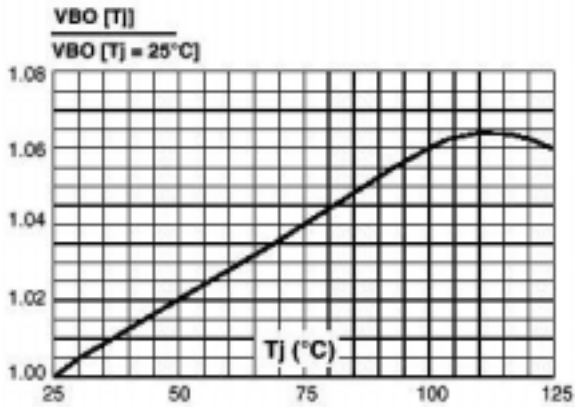
- NOTES:1.Electrical characteristics applicable in both forward and reverse directions.  
 2.Connected in parallel with the devices.  
 3.Lead in Glass Exemption Applied, see EU Directive Annex 7(C)-I.



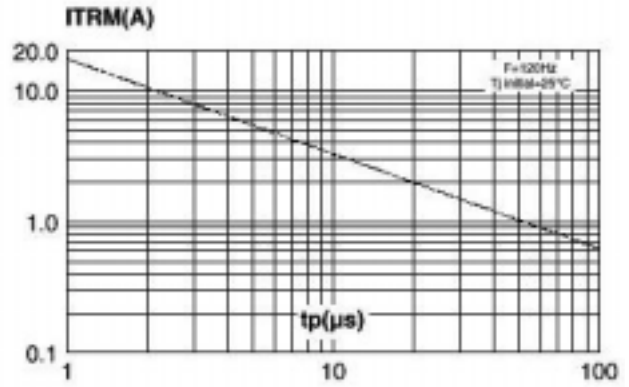
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.130	.146	3.30	3.70	
B	.008	.016	.20	.40	
C	.055	.059	1.40	1.50	∅



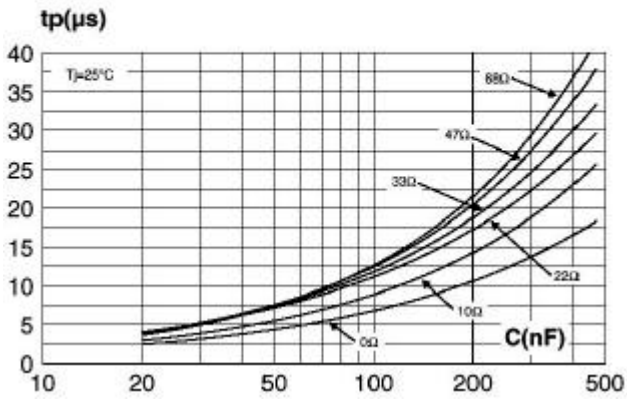
**Fig. 1:** Relative variation of VBO versus junction temperature (typical values)



**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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