

LLDB3



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

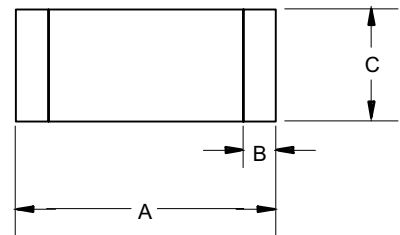
Electrical Characteristics @ 25°C Unless Otherwise Specified

Power dissipation on Printed Circuit(I=10mm)	P_C	150mW	$T_A=50^\circ\text{C}$
Repetitive Peak on-state Current	I_{TRM}	2.0A	$t_p=20\mu\text{s}, f=120\text{Hz}$
Breakover Voltage	V_{BO}	Min Typ Max 28 32 36V	$C=22\text{nF}$ (Note 2)
Breakover Voltage Symmetry	$ +V_{BO} $	$\pm 3\text{V}$	$C=22\text{nF}$ (Note 2)
Output Voltage(Note 1)	$V_{o(\text{min})}$	5V	
Breakover Current(Note 1)	$I_{BO(\text{max})}$	50uA	$C=22\text{nF}$
Rise Time(Note 1)	T_r	2.0us	
Leakage Current(Note 1)	$I_{B(\text{max})}$	10uA	$V_B=0.5V_{BO(\text{max})}$

- 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 5.

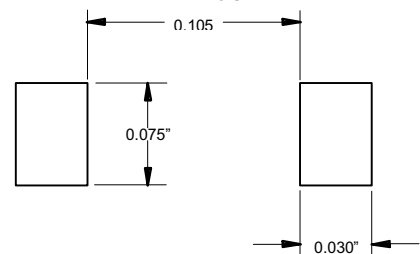
SILICON BIDIRECTIONAL DIAC

MiniMELF



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	∅

SUGGESTED SOLDER PAD LAYOUT



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

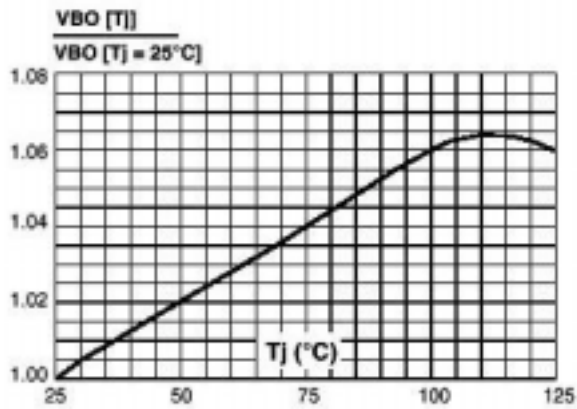


Fig. 2: Repetitive peak pulse current versus pulse duration (maximum values).

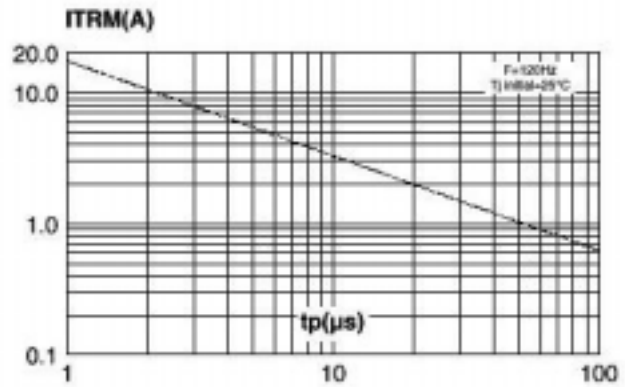


Fig. 3: Time duration while current pulse is higher 50mA versus C and R_s (typical values).

