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

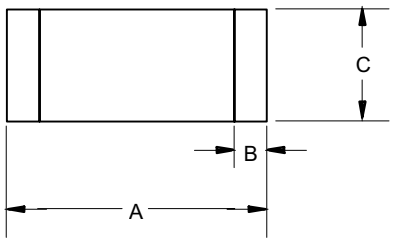
- Operating JunctionTemperature: -40°C to +125°C
- Storage Temperature: -40°C to +125°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

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

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 7(C)-I.

MiniMELF



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

SUGGESTED SOLDER PAD LAYOUT

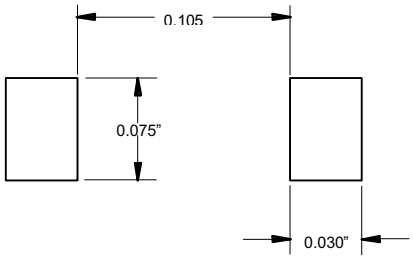


Fig. 1: Relative variation of VBO versus junction temperature (typical values)

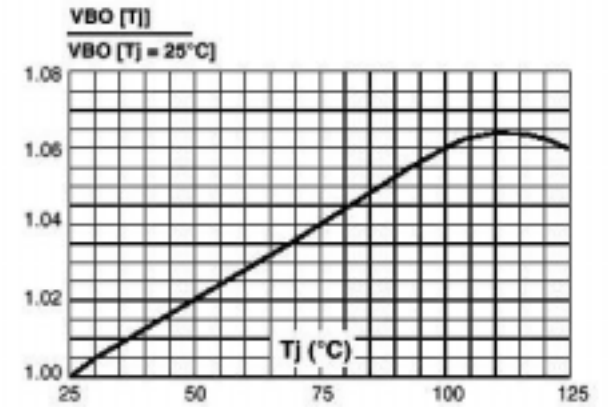


Fig. 2: Repetitive peak pulse current versus pulse duration (maximum values).

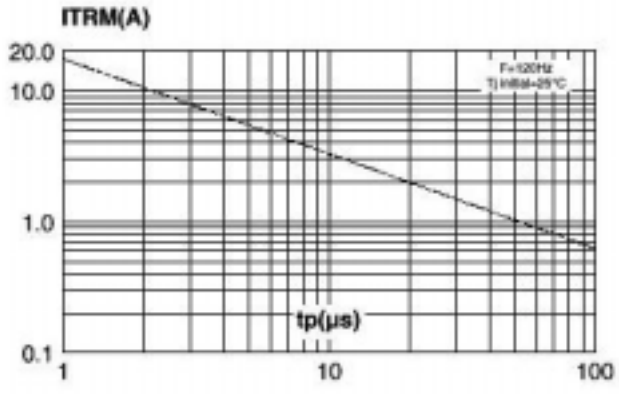
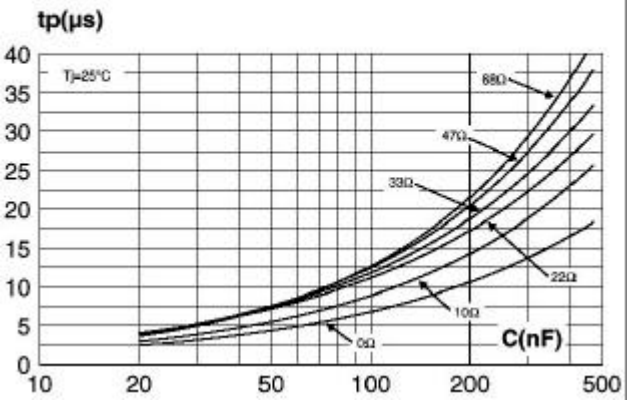


Fig. 3: Time duration while current pulse is higher 50mA versus C and Rs (typical values).



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Ordering Information :

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

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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.

Как с нами связаться

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