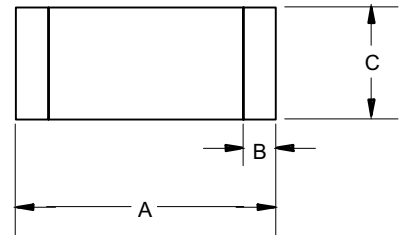


LLDB3

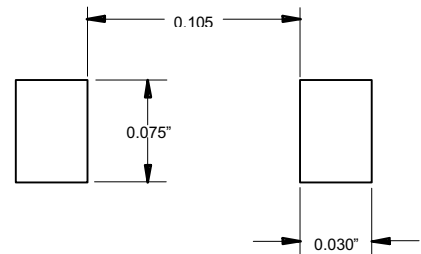
SILICON BIDIRECTIONAL DIAC

MiniMELF



DIMENSIONS					
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	Ø

SUGGESTED SOLDER PAD LAYOUT



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(I=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 =0.5V _{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.

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

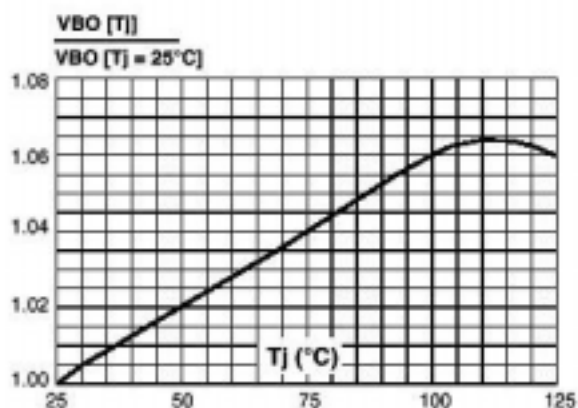


Fig. 2: Repetitive peak pulse current versus pulse duration (maximum values).

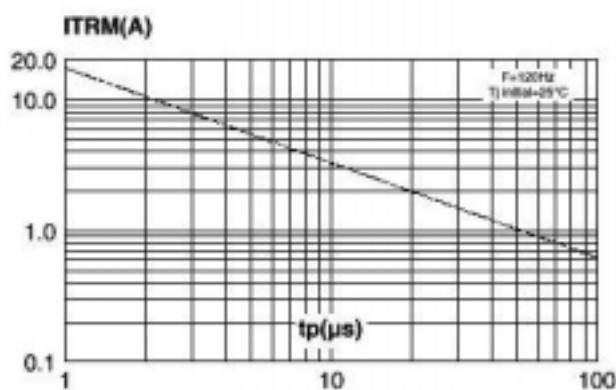
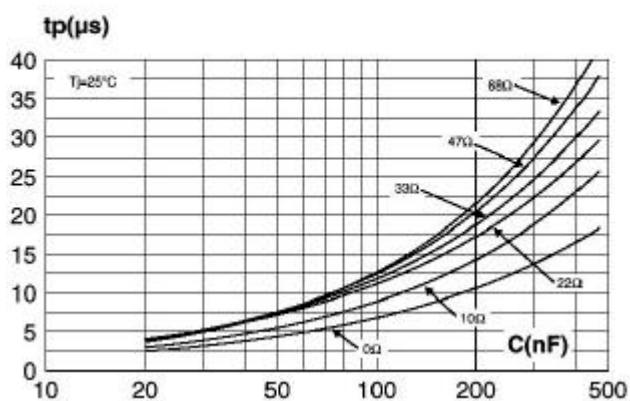


Fig. 3: Time duration while current pulse is higher 50mA versus C and Rs (typical values).



Ordering Information :

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

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

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moschip.ru_9