

Micro Commercial Components

ROHS

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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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

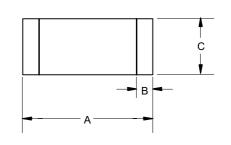
Power dissipation on Printed Circuit(I=10mm)	P _C	150mW	T _A =50°C
Repetitive Peak on-state Current	I _{TRM}	2.0A	t _P =20us,f=120Hz
Breakover Voltage	V _{BO}	Min Typ Max 28 32 36V	C=22nF(Note 2)
Breakover Voltage Symmetry	+V _{BO}	±3V	C=22nF(Note 2)
Output Voltage(Note 1)	$V_{o(min)}$	5V	
Breakover 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 =0.5 $V_{BO(max)}$

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.

SILICON BIDIRECTIONAL DIAC

MiniMELF



DIMENSIONS						
	INCHES		ММ			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.130	.146	3.30	3.70		
В	.008	.016	.20	.40		
С	.055	.059	1.40	1.50	Ø	

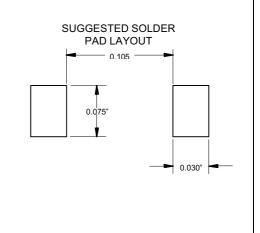




Fig. 1: Relative variation of VBO versus junction temperature (typical values)

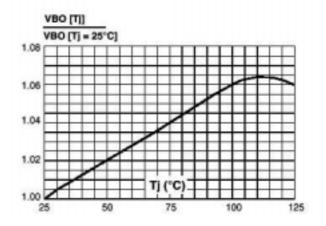


Fig. 2: Repetitive peak pulse current versus pulse duration (maximum values).

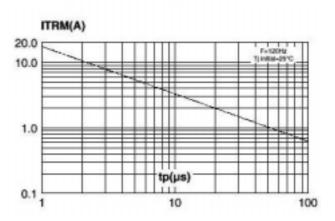
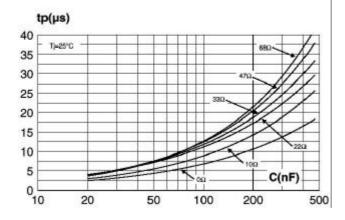


Fig. 3: Time duration while current pulse is higher 50mA versus C and Rs (typical values).





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Ordering Information:

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

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