



Micro Commercial Components

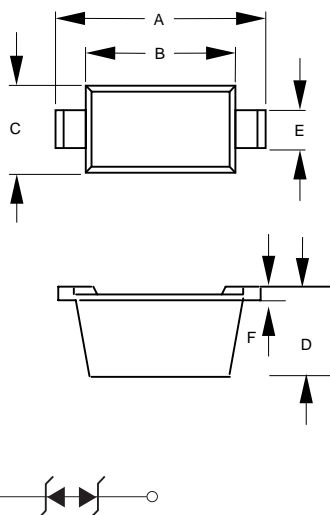


Micro Commercial Components  
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## ESDLC5V0D7B

### 5.0Volts ESD Protection Devices

#### SOD723



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.051	.059	1.30	1.50	
B	.035	.043	0.90	1.10	
C	.022	.026	0.55	0.65	
D	.021	.026	0.525	0.65	
E	.010	.014	0.25	0.35	
F	.003	.006	0.08	0.15	

## Features

- Halogen free available upon request by adding suffix "-HF"
- Low Reverse Stand.off Voltage: 5.0 V
- Low Leakage Current
- Response Time is Typically < 1 ns
- ESD rating of class 3(>16KV)per Human Body Mode
- For space saving application
- Fast response ,response time less than 1ns.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P"Suffix designates RoHS Compliant. See ordering information)

## Maximum Ratings

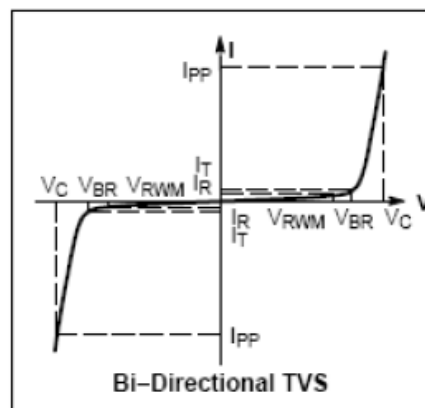
- Operating Junction &StorageTemperature: -55°C to +150°C
- Maximum Thermal Resistance: 1250°C/W Junction To Ambient

Parameter	Symbol	Limits	unit
IEC61000-4-2(ESD) Air Contact		$\pm 30$ $\pm 30$	KV
ESD Voltage per human body mode per machine mode		16 400	KV V
Power Dissipation	Pd	100	mw

# ESDLC5V0D7B

## ELECTRICAL CHARACTERISTICS ( $T_A = 25^\circ\text{C}$ unless otherwise noted)

Symbol	Parameter
$I_{PP}$	Maximum Reverse Peak Pulse Current
$V_C$	Clamping Voltage @ $I_{PP}$
$V_{RWM}$	Working Peak Reverse Voltage
$I_R$	Maximum Reverse Leakage Current @ $V_{RWM}$
$V_{BR}$	Breakdown Voltage @ $I_T$
$I_T$	Test Current



## ELECTRICAL CHARACTERISTICS ( $T_A = 25^\circ\text{C}$ unless otherwise noted, )

Device	Device Marking	$V_{RWM}$ (V)	$I_R$ ( $\mu\text{A}$ ) @ $V_{RWM}$	$V_{BR}$ (V) @ $I_T$ (Note 1)		$I_T$	$V_C$ (V) @ $I_{PP}=5\text{A}$ (Note 2)	$C$ (pF) @ $V_R=0, f=1\text{MHz}$
		Max	Max	Min	Max	mA	Max	Typ
ESDLC5V0D7B	H	5.0	0.1	5.8	7.8	1.0	12.5	12

1.  $V_{BR}$  is measured with a pulse test current  $I_T$  at an ambient temperature of  $25^\circ\text{C}$
2. Non-repetitive current pulse 8/20s exponential decay waveform according to IEC 61000-4-5.



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## Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 8Kpcs/Reel

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