



Micro Commercial Components



Micro Commercial Components
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ESDLC5V0D7B

5.0Volts
ESD Protection
Devices

SOD723

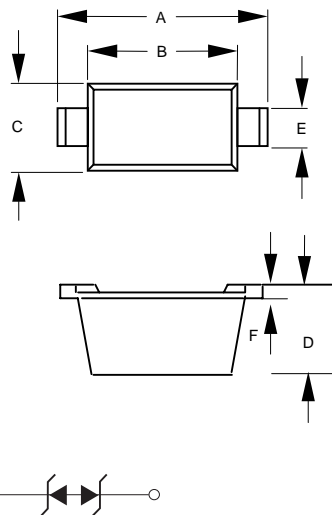


Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows A-F with numerical values.

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

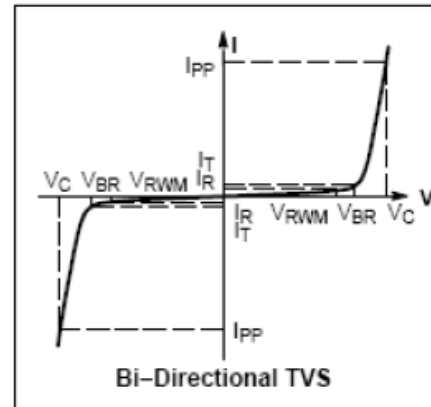
- Operating Junction &StorageTemperature: -55°C to +150°C
Maximum Thermal Resistance: 1250°C/W Junction To Ambient

Table with 5 columns: Parameter, Symbol, Limits, unit. Rows for IEC61000-4-2(ESD) Air Contact, ESD Voltage per human body mode per machine mode, and Power Dissipation.

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ELECTRICAL CHARACTERISTICS (T_A = 25°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°C unless otherwise noted,)

Device	Device Marking	V _{RWM} (V)	I _R (μA) @ V _{RWM}	V _{BR} (V) @ I _T (Note 1)		I _T mA	V _C (V) @ I _{pp} =5A(Note 2)	C (pF) @ V _R =0, f=1MHz
		Max	Max	Min	Max		Max	Typ
ESDLC5V0D7B	H	5.0	0.1	5.8	7.8	1.0	12.5	12

- V_{BR} is measured with a pulse test current I_T at an ambient temperature of 25 °C
- 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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