



Micro Commercial Components



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ESDLC5V0D7B

5.0Volts
ESD Protection
Devices

SOD723

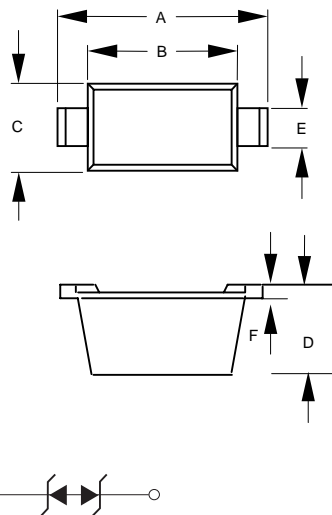


Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Rows A through F.

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

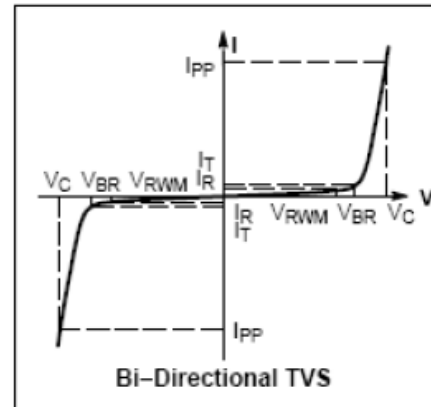
- Operating Junction &StorageTemperature: -55°C to +150°C
Maximum Thermal Resistance: 1250°C/W Junction To Ambient

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, Power Dissipation.

ESDLC5V0D7B

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 | V _C (V) @ I _{pp} =5A(Note 2) | C (pF) @V _R =0,f=1MHz |
|-------------|----------------|----------------------|---|--|-----|----------------|---|-------------------------------------|
| | | Max | Max | Min | Max | mA | 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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