



Micro Commercial Components



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ESD24VD3

24Volts
ESD Protection
Devices

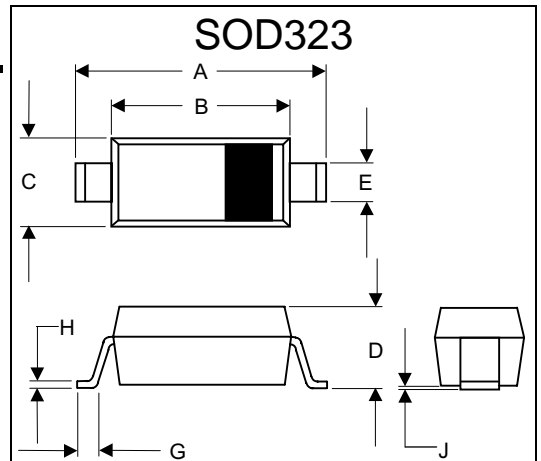
Features

- Halogen free available upon request by adding suffix "-HF"
For sensitive ESD protection
Excellent clamping capability
Low leakage
Fast response ,response time less than 1ns.
For space saving application
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Maximum Ratings

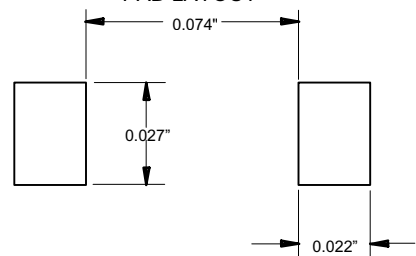
- Operating Junction &StorageTemperature: -55°C to +150°C

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



DIMENSIONS table with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Lists dimensions A through J.

SUGGESTED SOLDER PAD LAYOUT





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

| Parameter                 | Symbol    | Conditions                          | Min. | Typ. | Max. | Units         |
|---------------------------|-----------|-------------------------------------|------|------|------|---------------|
| Reverse Stand-off Voltage | $V_{RWM}$ | -                                   | -    | -    | 24   | V             |
| Reverse Breakdown Voltage | $V_{BR}$  | $I_{BR}=1\text{mA}$                 | 26.6 | -    | 30   | V             |
| Reverse Leakage Current   | $I_R$     | $V_R=24\text{V}$                    | -    | -    | 1    | $\mu\text{A}$ |
| Clamping Voltage          | $V_C$     | $I_{PP}=1\text{A}(8/20\mu\text{s})$ | -    | -    | 43   | V             |
| Junction Capacitance      | $C_J$     | $V_R=0\text{V}$ $f = 1\text{MHz}$   | -    | 80   | -    | pF            |
|                           |           | $V_R=5\text{V}$ $f = 1\text{MHz}$   | -    | 10   | -    |               |



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Ordering Information :

| Device         | Packing               |
|----------------|-----------------------|
| Part Number-TP | Tape&Reel: 3Kpcs/Reel |

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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