



ESD12VD5

ESD Protection Diode

Features

- For sensitive ESD protection
- Low leakage
- Uni-directional ESD protection of one line
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Mechanical Data

Package: SOD523

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: Cathode line denotes the cathode end

Marking: ZM

Maximum Ratings

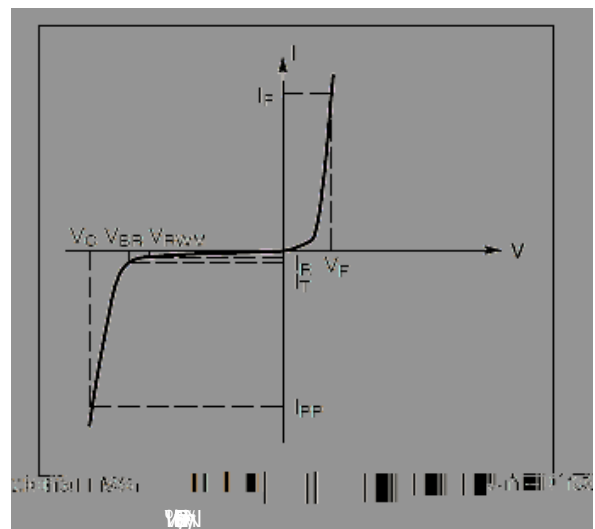
PARAMETER	SYMBOL	LIMITS	UNIT
Operating Junction & Storage Temperature	T_J & T_{STG}	-45 to +125	
IEC61000-4-2(ESD)Air	VESD ¹	± 15	KV
IEC61000-4-2(ESD)Contact		± 8	KV
Peak Pulse Current	I_{PP} ²	8	A

(1).Device stressed with ten non-repetitive ESD pulses.

(2).Non-repetitive current pulse 8/20 μ s exponential decay waveform according to IEC61000-4-5.

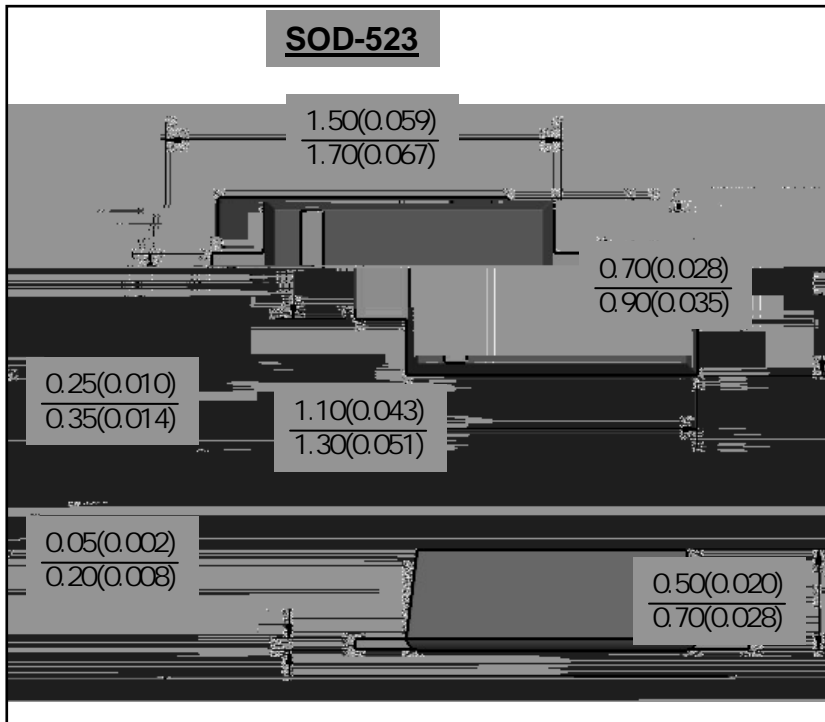
Electrical Parameter

PARAMETER	SYMBOL
Clamping Voltage @ I_{PP}	V_C
Breakdown Voltage @ I_T	V_{BR}
Peak Pulse Current	I_{PP}
Test Current	I_T
Reverse Leakage Current @ V_{RWM}	I_R
Reverse Standoff Voltage	V_{RWM}
Forward Voltage @ I_F	V_F
Forward Current	I_F
Peak Power Dissipation	P_{PK}

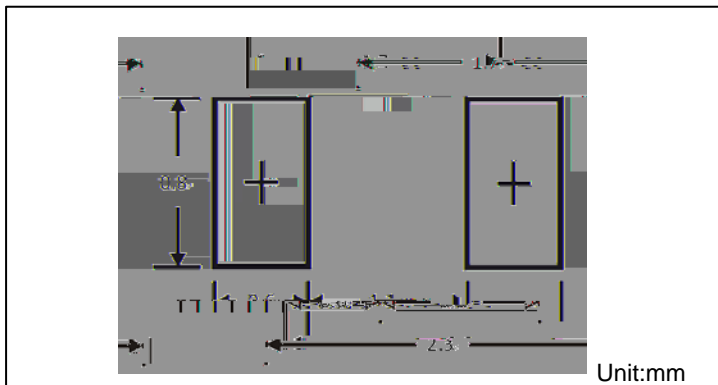




Outline Dimensions



Soldering Footprint



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