

ESD Protection Diode

Features

- For sensitive ESD protection
- Low leakage
- Bi-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

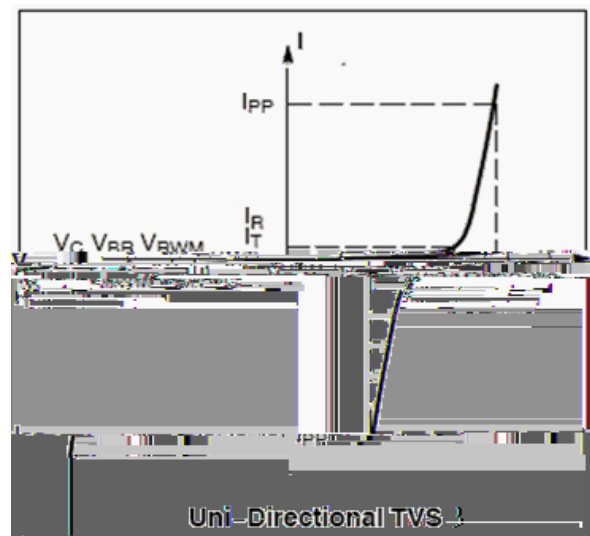


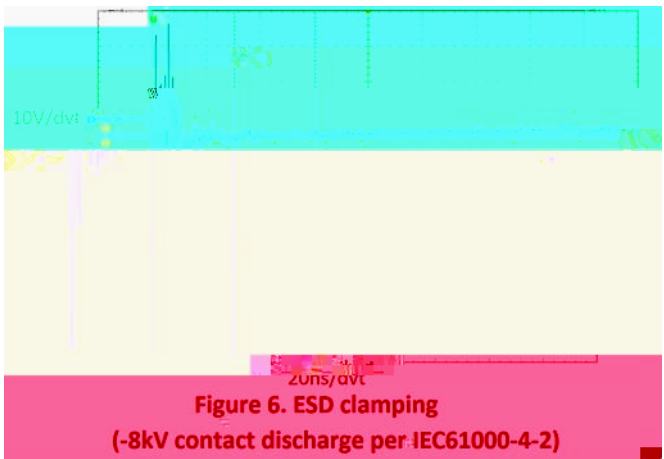
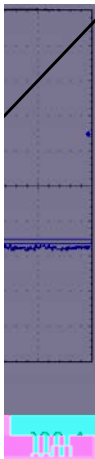
	J&T _{STG}	-45 to +125	
IEC61000-4-2(ESD)Air	V _{ESD}	±30	KV
IEC61000-4-2(ESD)Contact		±30	KV
JESD22-A114-B(ESD)Machine		±0.4	KV
JESD22-A114-B(ESD)Human Body		±16	KV
Peak Pulse Current	I _{PP} ¹	8	A

(1).Non-repetitive current pulse 8/20μs 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}
Peak Power Dissipation	P _{PK}
Max. Capacitance @ V _R =0 and f=1MHz	C





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