



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:** SOD323
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end
- **Marking:** ZE

■Maximum Ratings

PARAMETER	SYMBOL	LIMITS S √
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	PP
Test Current	I_T
Re v erse Leakage Current @ V_R	I_R
Re v erse Standoff Voltage	V_{RWM}
Forward Voltage @ I_F	V_F
Forward Current	I_F
Peak Power Dissipation	P_k
Max. Capacitance @ $V_R = 0$ and $f = 1$ MH z	C



ESD3V3D3

■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse Standoff Voltage	V_{RWM}^1	V				3.3
Reverse Leakage Current	I_R	uA	$V_{RWM}=3.3V$			0.5
Breakdown Voltage	$V_{(BR)}$	V	$I_T=1mA$	4.5		6.5
Clamping Voltage	V_C^2	V	$I_{PP}=22A$			17
Forward voltage	V_F	V	$I_F=10mA$			1.1
Junction Capacitance	C_J	pF	$V_R=0V, f=1MHz$			400

(1).Other voltages available upon request.

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

■Ordering Information (Example)

PREFERRED P/N	PACKING
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■ Outline Dimensions

■ Solder , B



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