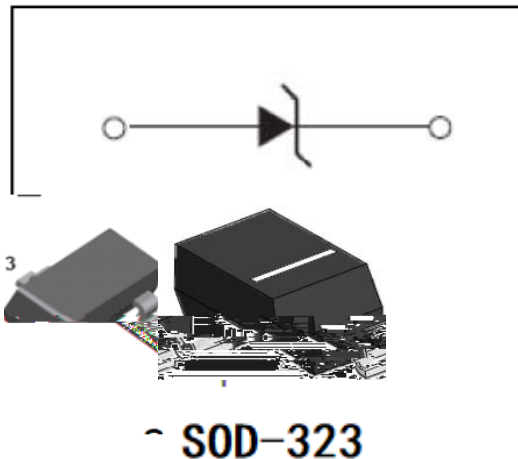


ESD Protection Diode



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:** ZP

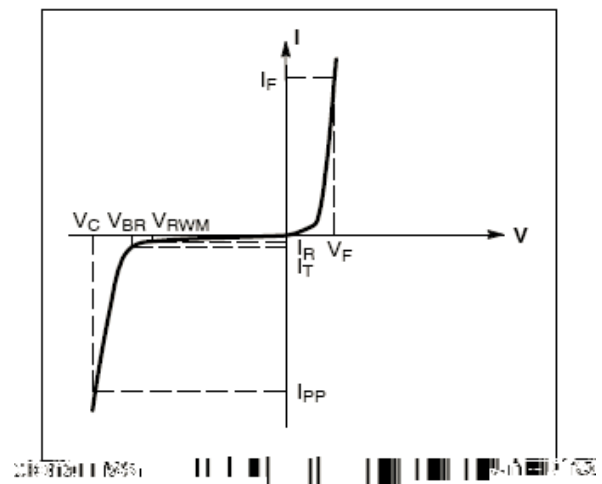
Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
Operating Junction & Storage Temperature	T_J & T_{STG}	-45 to +125	
IEC61000-4-2(ESD)Air	VESD ¹	±30	KV
IEC61000-4-2(ESD)Contact		±30	KV
Peak Pulse Power	P_{PK} ²	440	W
Peak Pulse Current	I_{PP} ²	17	A

(1).Device stress only

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}
Max. Capacitance @ $V_R=0$ and $f=1MHz$	C





ESD15VD3

■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse Standoff Voltage	V_{RWM}^1	V				15
Reverse Leakage Current	I_R	uA	$V_{RWM}=15V$			1
Breakdown Voltage	$V_{(BR)}$	V	$I_T=1mA$	16		20
Clamping Voltage	V_C^2	V	$I_{PP}=17A$			26
Forward voltage	VF	V	$I_F=100mA$			1.1
Junction Capacitance	C_J	pF V	f^1 M E			!



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