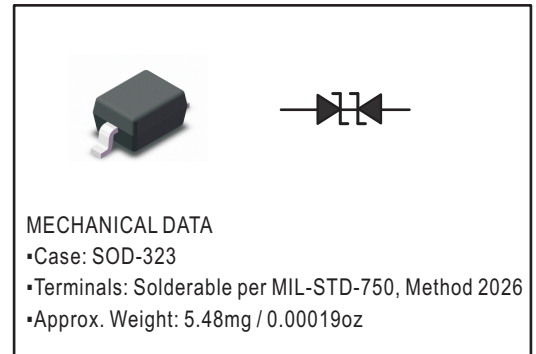


Transient Voltage Suppressor

Features

- Low Clamping Voltage
- Working Voltage: 8V
- Low Leakage Current

PINNING

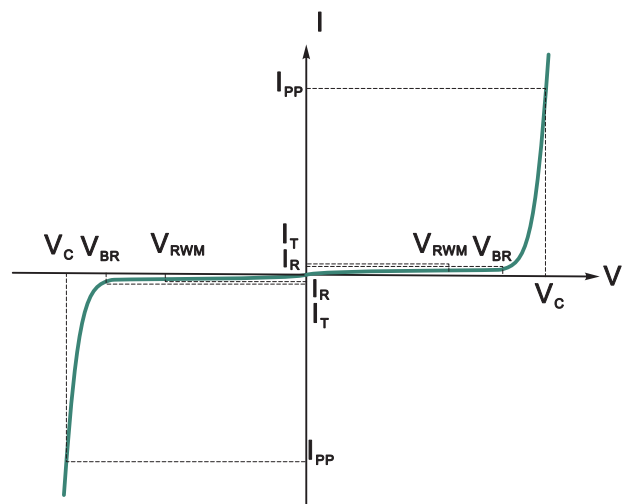


IEC COMPATIBILITY (EN61000-4)

- IEC 61000-4-2 (ESD) : $\pm 25\text{kV}$ (air), $\pm 25\text{kV}$ (contact)
- JESD22-A114-B-ESD Voltage:
 $\pm 16\text{kV}$ (Per human body model)
- ESD Voltage: $\pm 0.4\text{kV}$ (machine model)

Electronics Parameter

Parameter	Symbol
Maximum Reverse Peak Pulse Current	I_{PP}
Clamping Voltage @ I_{PP}	V_C
Peak Reverse Working Voltage	V_{RWM}
Reverse Leakage Current @ V_{RWM}	I_R
Breakdown Voltage @ I_T	V_{BR}
Test Current	I_T
Forward Current	I_F
Forward Voltage @ I_F	V_F



Absolute Maximum Rating (Tamb=25°C)

Rating	Symbol	Value	Unit
Peak Pulse Power(tp=8/20us)	P _{PP}	40	W
Peak Pulse Current(tp=8/20us)	I _{PP}	2	A
Operating Junction Temperature	T _J	-55 to +150	°C
Storage Temperature	T _{STG}	-55 to +150	°C

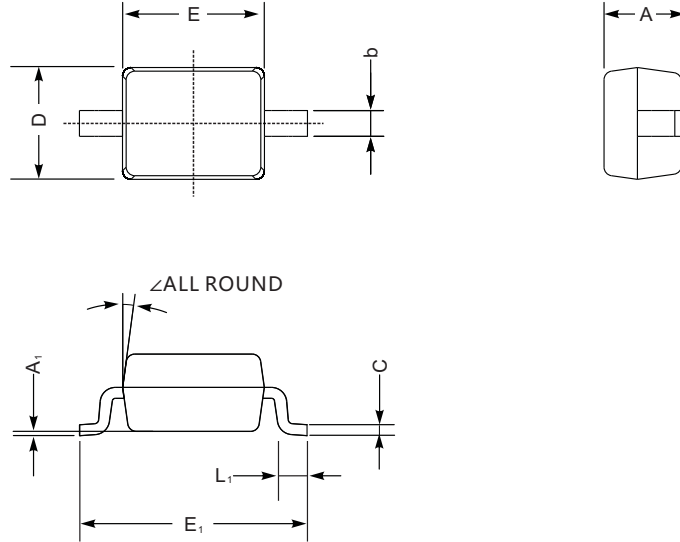
Electrical Characteristics
 (Tamb=25°C)

Parameter	Symbol	Conditions	Minimum	Typical	Maximum	Units
Reverse Stand-Off Voltage	VRWM				8.0	V
Reverse Breakdown Voltage	VBR	IT=1mA			14.0	V
Reverse Leakage Current	IR	VRWM=8V, Ta=25°C			1.0	uA
Clamping Voltage	VC	I _{PP} =2A, tp=8/20us		20		V
Junction Capacitance	Cj	VR=0V, f=1HMz		15		pF

PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323



SOD-323 mechanical data

UNIT		A	C	D	E	E ₁	b	L ₁	A ₁	∠
mm	max	1.1	0.15	1.4	1.8	2.75	0.4	0.45	0.2	9°
	min	0.8	0.08	1.2	1.4	2.55	0.25	0.2	—	
mil	max	43	5.9	55	70	108	16	16	8	
	min	32	3.1	47	63	100	9.8	7.9	—	

The recommended mounting pad size

