

Features

- ◇ 150W (8x20us) Peak Pulse Power
- ◇ Low Clamping Voltage
- ◇ SOD-323 Package
- ◇ RoHS Compliant
- ◇ Matte Tin Lead finish (Pb-Free)
- ◇ Protect One I/O or Power Line
- ◇ Meet IEC61000-4-2 Level 4:

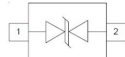
Contact Discharge > 15 kV

Air Discharge > 15kV

Circuit Diagram



PIN Diagram



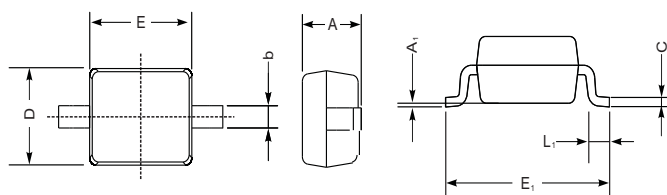
Applications

- ◇ Smart Phones
- ◇ Laptop Computers
- ◇ Portable Electronics

Ordering information

DeviceOE	Package	MARKING
PESD15VL1BA	SOD-323	AE

SOD323



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
	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	—

Maximum Ratings (Ta = 25°C)

Symbol	Parameter	Value	Unit
TJ	Junction Temperature	-55 to +150	°C
TSTG	Storage Temperature	-55 to +150	°C
Ipp Max	Maximum Peak Pulse Current	4	A
PPK	Peak Pulse Power	150	W

PESD15VL1BA

Electrical Characteristics (Ta = 25°C)

PSD15C						
Symbol	Parameter	Conditions	Min	Typ	Max	Unit
VRWM	Reverse Working Peak Voltage				15	V
VBR	Reverse Breakdown Voltage	IT = 1mA	16.7	17.8	21	V
IR	Reverse Leakage Current	VRWM = 15V			1	μA
VC	Clamping Voltage	IPP = 4A (8/20μs)		29	40	V
Ipp	Peak Pulse Current	tp = 8/20μs			4	A
CJ	Capacitance	VR = 0V, f = 1MHz		10	20	pF