

# ESD3852WS-BL-HAF

## Transient Voltage Suppressors

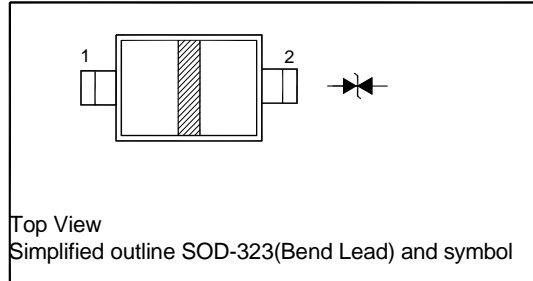
ESD protection diode

### Features

- Halogen and Antimony Free(HAF), RoHS compliant

### PINNING

PIN	DESCRIPTION
1	Anode
2	Anode

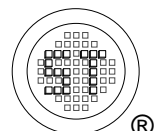


### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Value	Unit
Peak Pulse Current ( $t_p = 8/20 \mu\text{s}$ )	$I_{PP}$	8	A
IEC61000-4-2 (ESD) Air Contact	$V_{PP}$	$\pm 15$ $\pm 8$	KV
Peak Pulse Power ( $t_p = 8 / 20 \mu\text{s}$ )	$P_{PK}$	350	W
Operation Temperature Range	$T_j$	- 55 to + 150	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	- 55 to + 150	$^\circ\text{C}$

### Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Min.	Max.	Unit
Reverse Stand-Off Voltage	$V_{RWM}$	-	45	V
Reverse Breakdown Voltage at $I_R = 1 \text{ mA}$	$V_{(BR)R}$	52	-	V
Reverse Current at $V_R = 45 \text{ V}$	$I_R$	-	1	$\mu\text{A}$
Clamping Voltage at $I_{PP} = 8 \text{ A}$ , $t_p = 8/20 \mu\text{s}$	$V_C$	-	72	V
Capacitance between Terminals at $V_R = 0 \text{ V}$ , $f = 1 \text{ MHz}$	$C_J$	-	50	pF

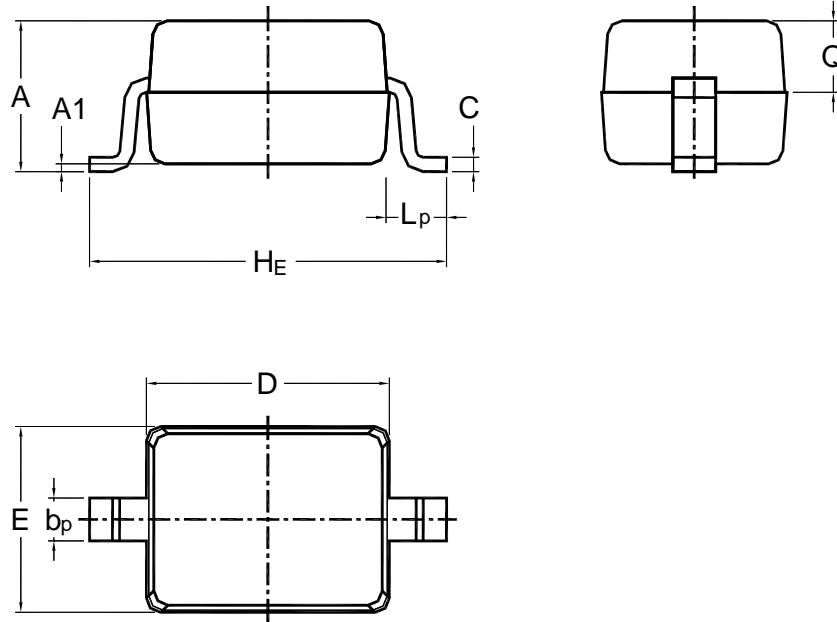


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## PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323(Bend Lead)



UNIT	A	A <sub>1</sub>	b <sub>p</sub>	C	D	E	H <sub>E</sub>	L <sub>p</sub>	Q
mm	1.1 0.8	0.1 0	0.4 0.25	0.15 0	1.8 1.6	1.35 1.15	2.8 2.3	0.5 0.1	0.5 0.3

