

Transient Voltage Suppressors

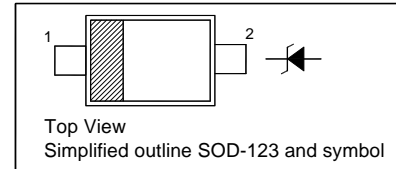
for ESD Protection

Features

- Low clamping voltage
- Low leakage

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

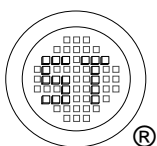


Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Peak Pulse Power ($t_p = 8/20\ \mu\text{s}$)	P_{pk}	200	W
Operating Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

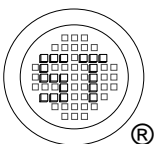
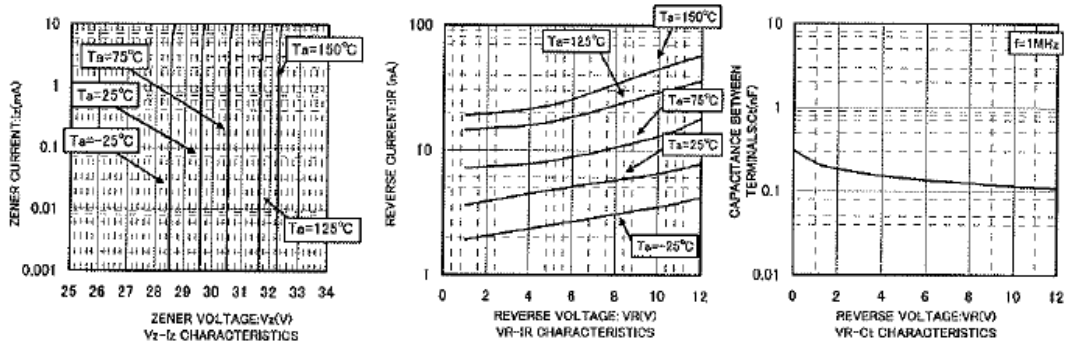
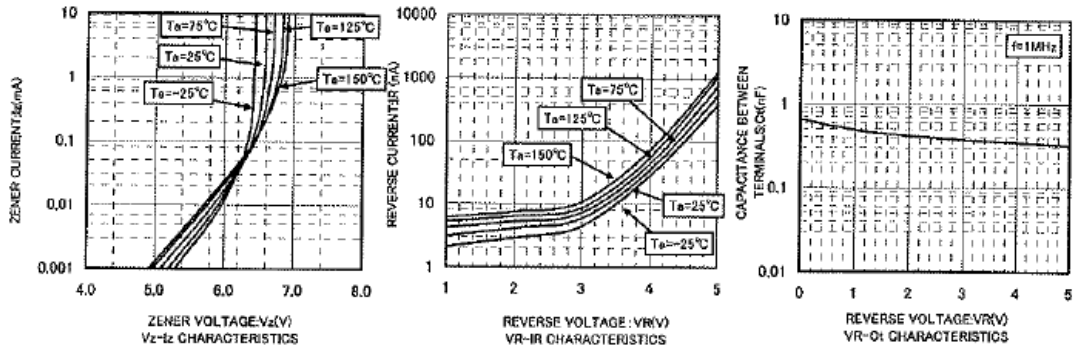
Characteristics at $T_a = 25\text{ }^\circ\text{C}$

Type	Marking Code	Reverse Stand-off Voltage	Reverse Current	Breakdown Voltage		Clamping Voltage		
		V_{RWM}	I_R at V_{RWM}	V_{BR}		V_C	at I_{PP}	
		Max. (V)	Max. (μA)	Min. (V)	Max. (V)	mA	Max. (V)	A
ESD1Z5V0	1U	5	400	6.4	7	10	9.2	21.7
ESD1Z12	2U	12	2.5	13.3	14.7	1	19.9	10.1



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ISO/TS 16949:2009
Certificate No. 160/13000



ISO14001:2004
Certificate No. 50/13416



ISO 9001:2008
Certificate No. 50/13410



BS-OHSAS 18001:2007
Certificate No. 7116

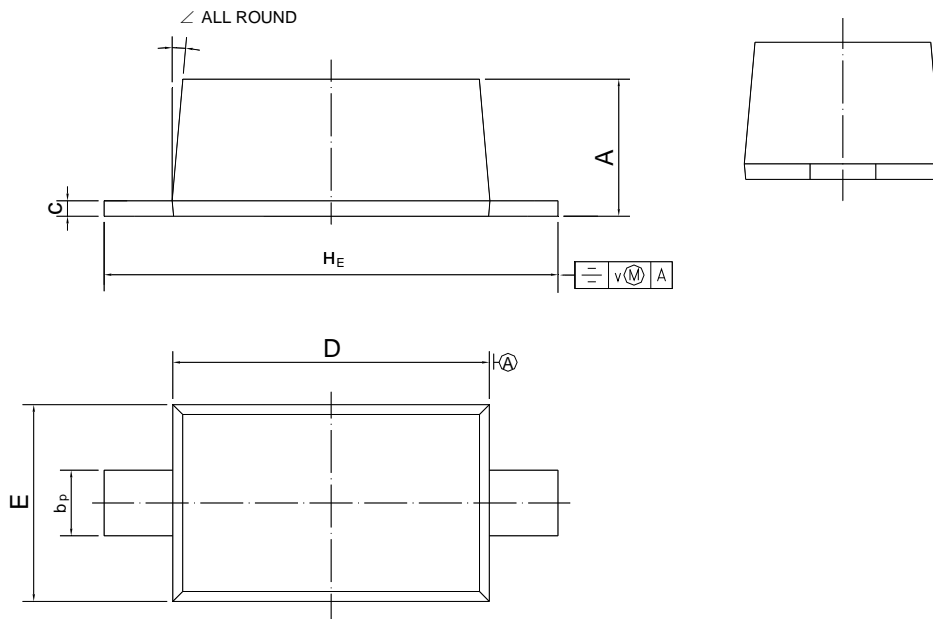


IECQ QC 080000
Certificate No. PRC-HSP4-148-1

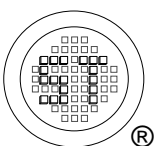
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123



UNIT	A	b_p	c	D	E	H_E	v	\angle
mm	1.15 1.05	0.6 0.5	0.135 0.100	2.7 2.6	1.65 1.55	3.85 3.55	0.2	5°



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