

ESD1Z Series

Transient Voltage Suppressors

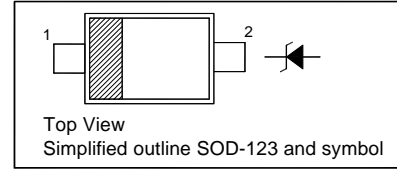
for ESD Protection

Features

- Low clamping voltage
- Low leakage

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

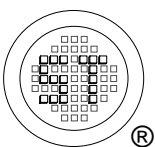


Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Peak Pulse Power ($t_p = 10 \times 1000 \mu\text{s}$)	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 $T_a = 25^\circ\text{C}$

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



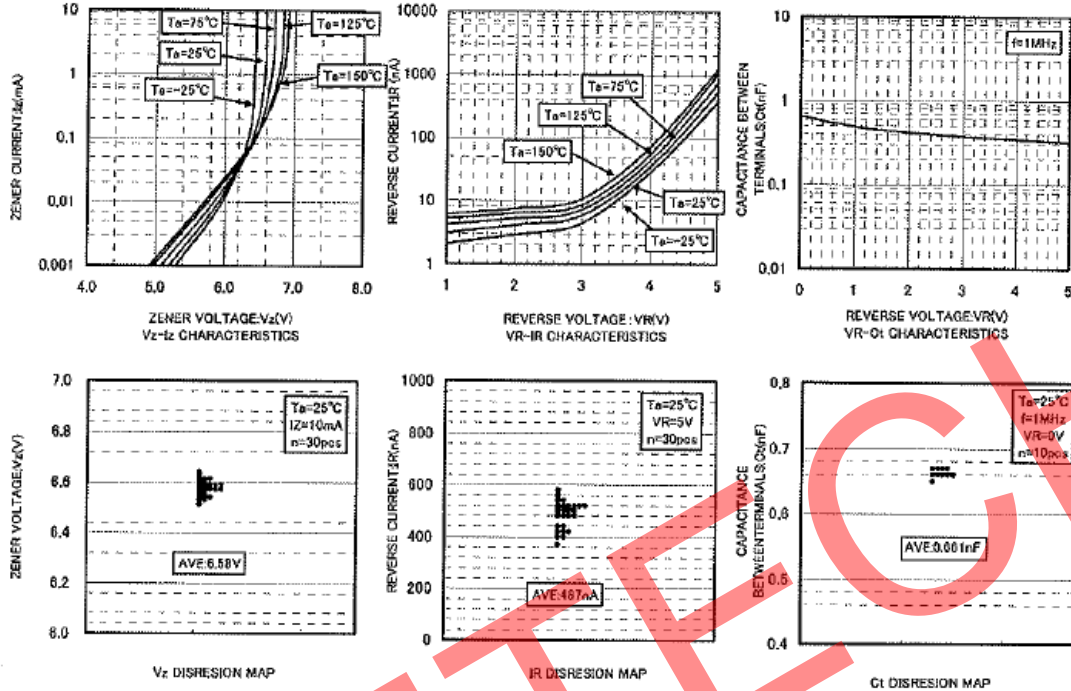
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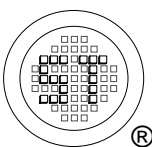
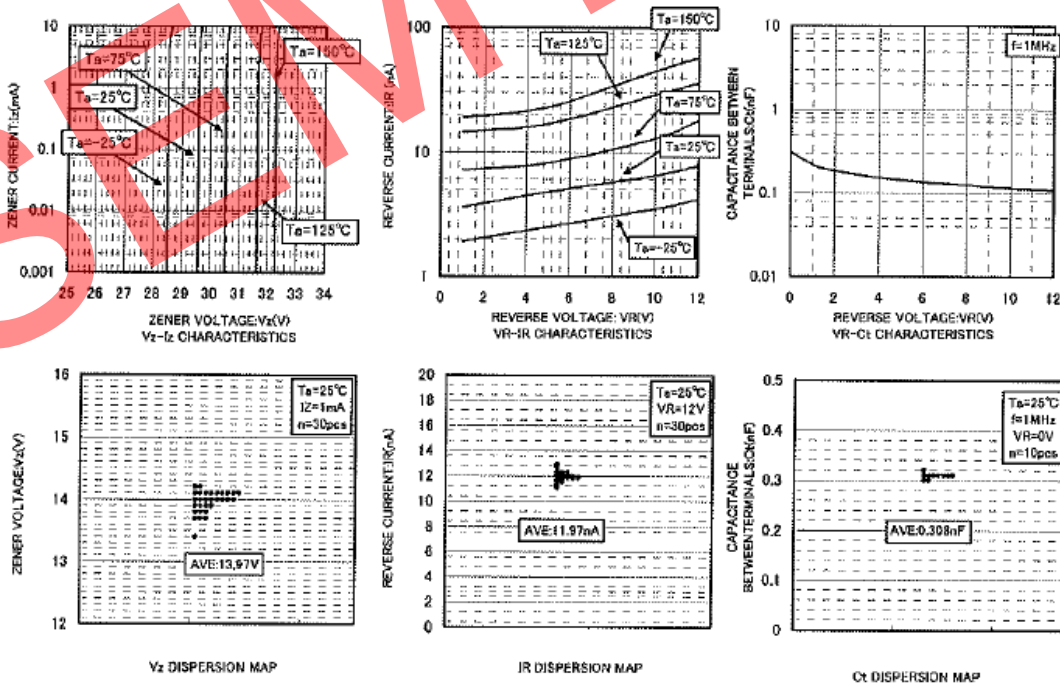
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●Electrical characteristic curves



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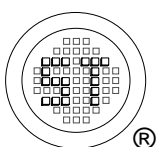
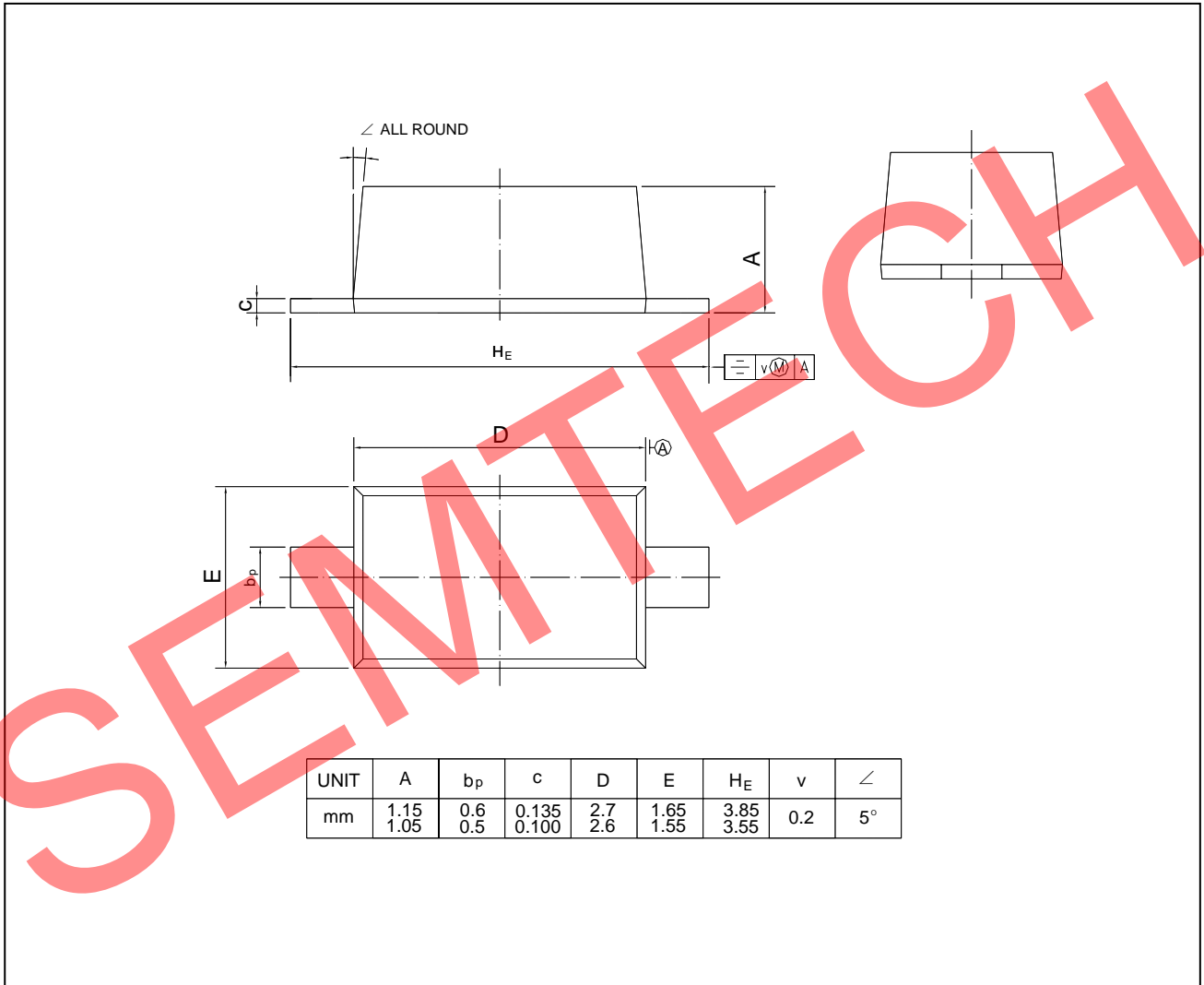


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PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123



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