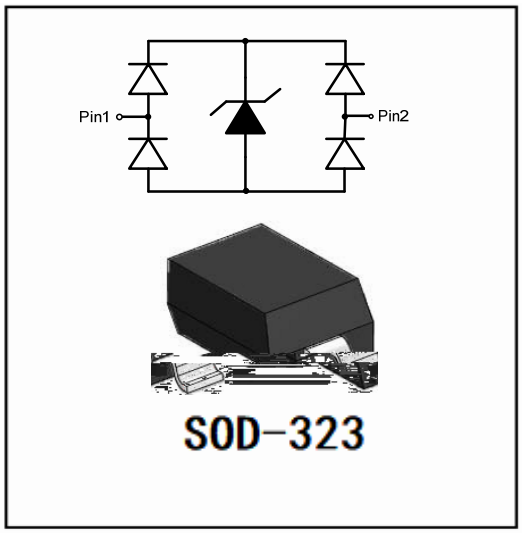
1- Line, Bi-directional, Ultra-low Capacitance Transient Voltage Suppressor



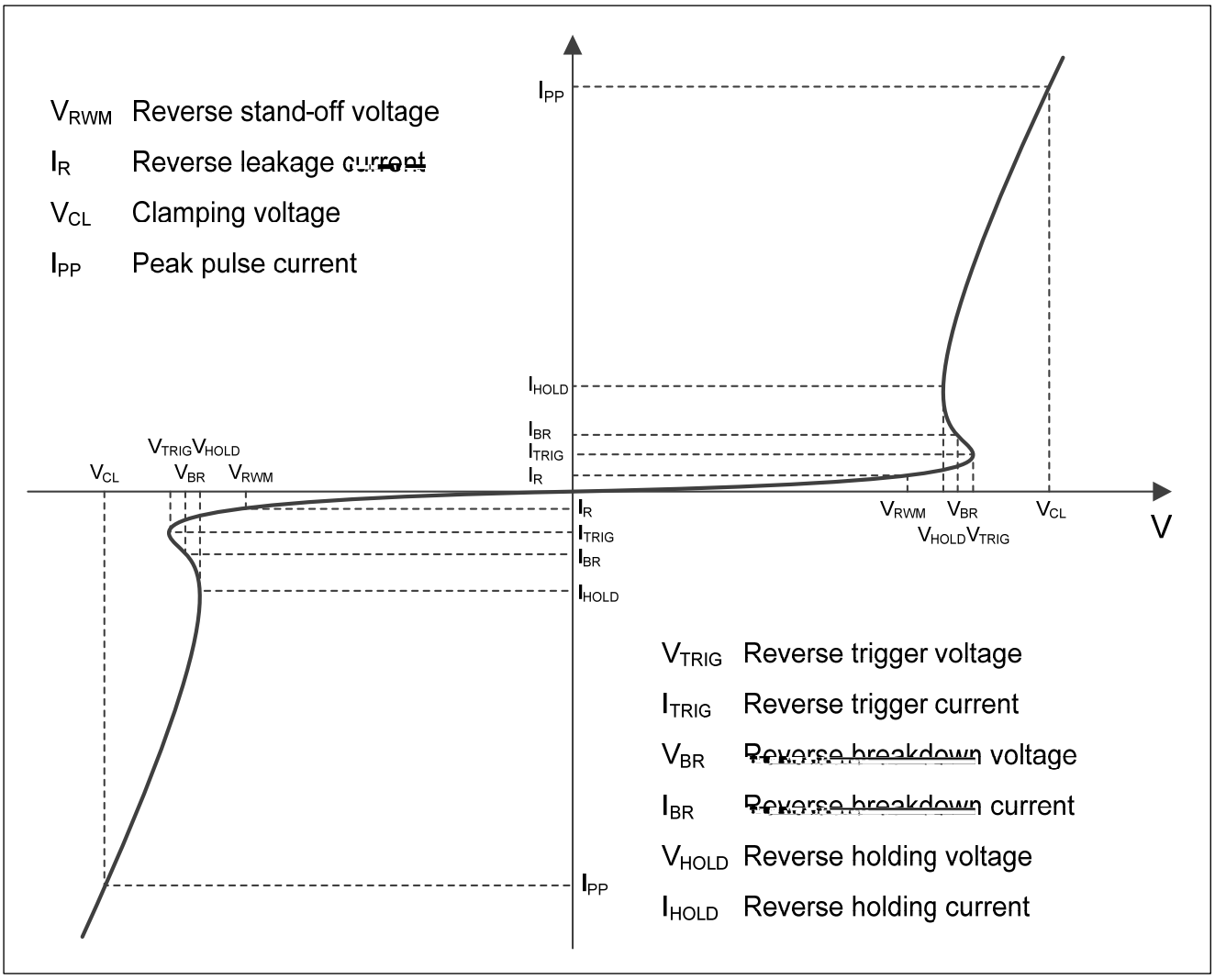
Features

- Stand-off voltage: 5V Max
- Transient protection for each line according to IEC61000-4-2(ESD): ±30kV (contact) IEC61000-4-5(surge): 7A (8/20μs)
- Ultra-low capacitance: C_J = 0.8pF typ.
- Low leakage current: I_R <1nA typ.
- Low clamping voltage: V_{CL} = 13.0V typ. @ I_{PP} = 16A (TLP)
- Solid-state silicon technology

Mechanical Data

- **Package**: SOD323
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end
- **Marking:** 5TD

■Definitions of electrical characteristics

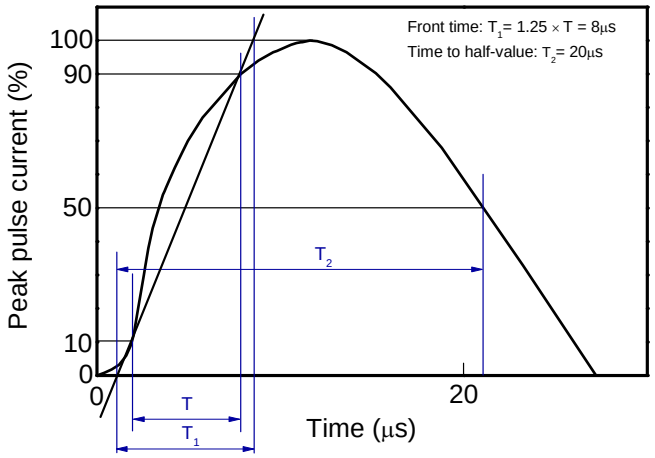


■Maximum Ratings

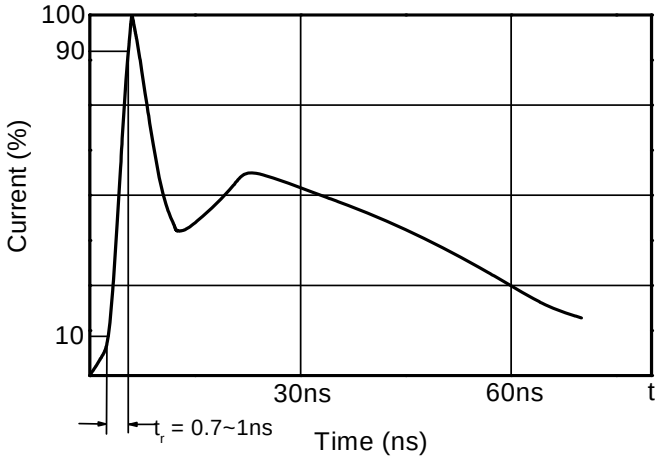
PARAMETER	SYMBOL	LIMITS	UNIT
Peak pulse power (t_p = 8/20μs)s)7285 n0 841.987J/TT9 1 Tf13.8 0 418.44 745.0403 Tm0 g			

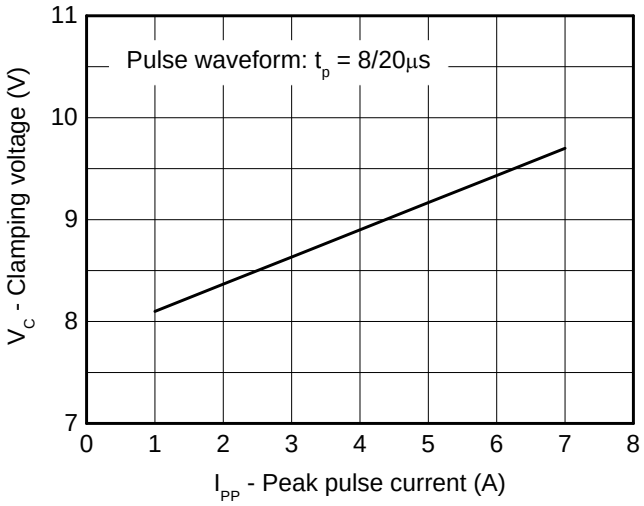
■ Characteristics (Typical)

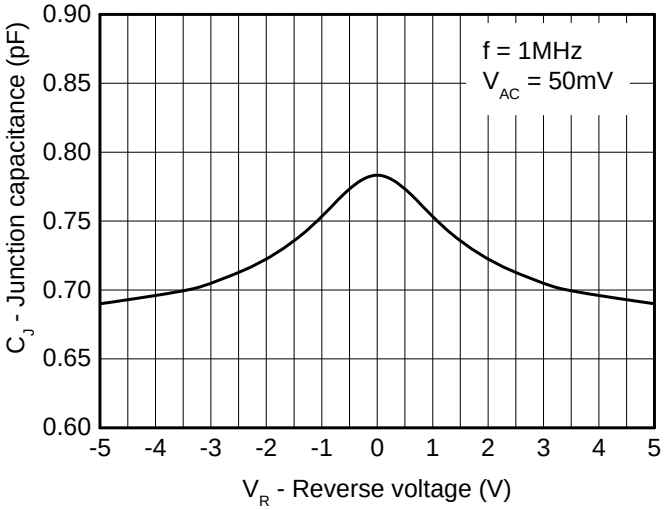
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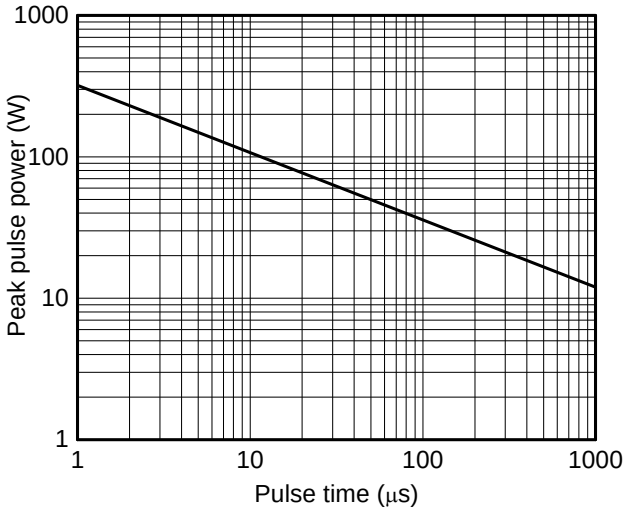
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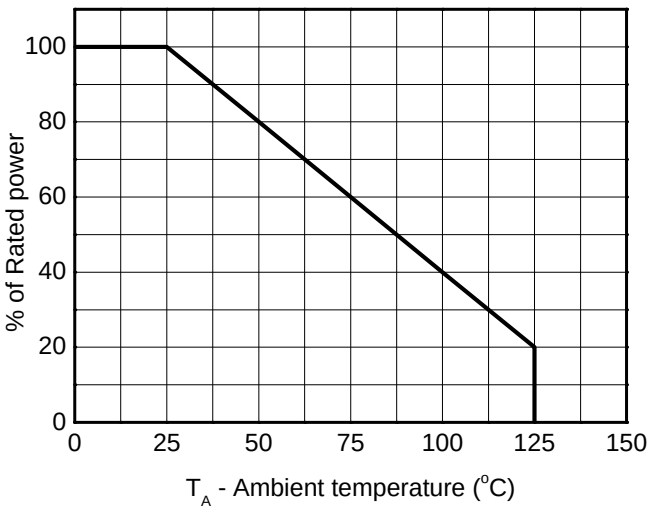




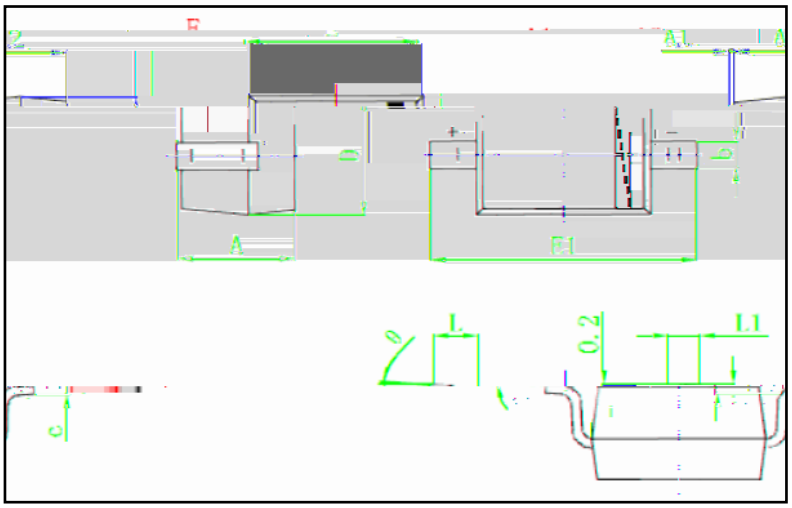


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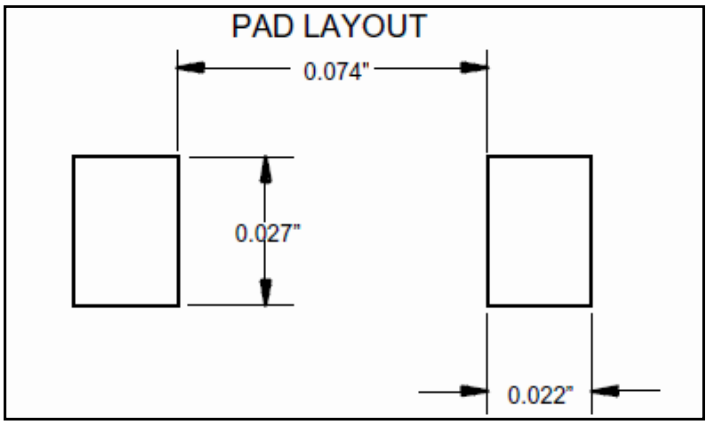


■ Outline Dimensions



Symbol	Min. (mm)	Max. (mm)
A		1.000
A1	0.000	0.100
A2	0.800	0.900
b	0.250	0.400
c	0.080	0.150
[illegible]	[illegible]	[illegible]
1.800	E	1.600
2.700	E1	2.500
[illegible]75REF	L	0.4
[illegible]	[illegible]	[illegible]
	0°	8°

■ Soldering Footprint



Unit inches

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