



2- Line, Uni-directional, Transient Voltage Suppressor

Features

- χ Transient protection for each line according to IEC61000-4-2(ESD): 030kV contact, 030kV air IEC61000-4-5:7A(tp=8/20>s)
- χ Low leakage current
- χ Ultra low clamping voltage
- χ RoHS Compliant

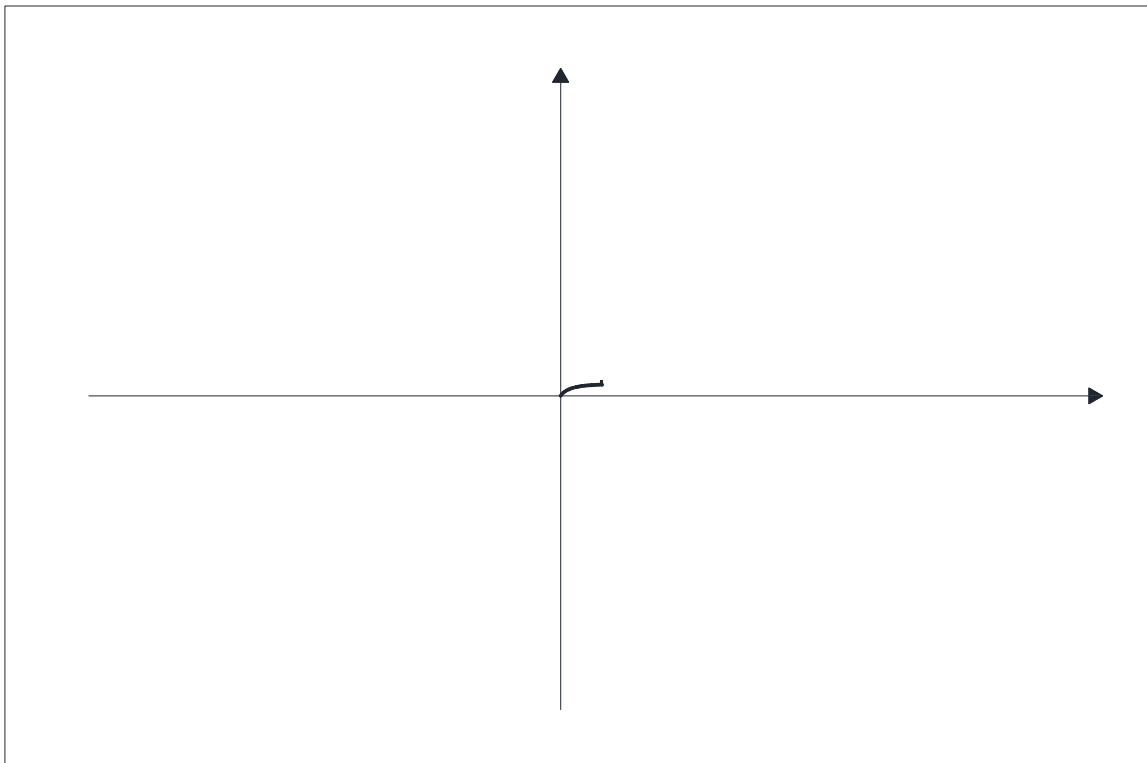
Applications

- χ
- χ
- χ
- χ
- χ
- χ

Mechanical Data

- χ Package: SOT-23
- χ Lead Finish: Matte Tin
- χ Case Material: 0Green0 Molding Compound
- χ Moisture Sensitivity: Level 1 per J-STD-020
- χ Marking Information: See Below

ΩDefinitions of electrical characteristics





ESD2402E

Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
Peak pulse power ($t_p = 8/20\mu s$)	P_{pk}	300	W
Peak pulse current ($t_p = 8/20\mu s$)	I_{pp}	7	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	30	KV
ESD according to IEC61000-4-2 contact discharge		30	
Junction temperature	T_J	-55~150	-
Storage temperature	T_{STG}	-55~150	-

Notes:

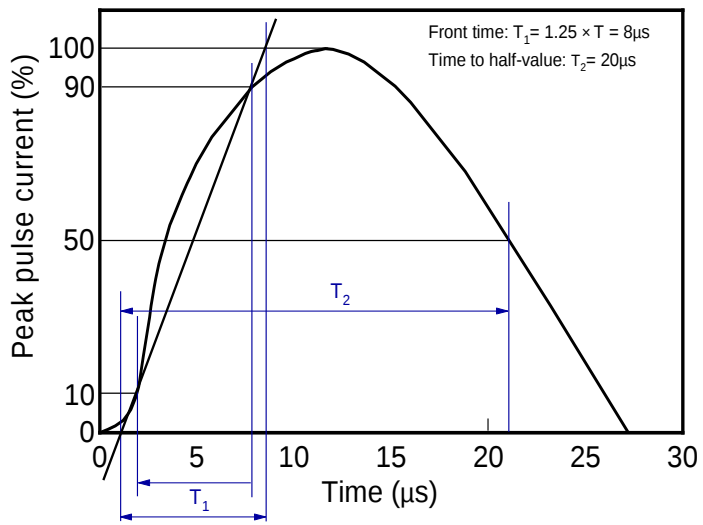
CAUTION: Stresses above those listed in Absolute Maximum Ratings may cause permanent damage to the component. This is a stress only rating and operation of the component at these or any other conditions above those indicated in the operational sections of this specification is not implied.

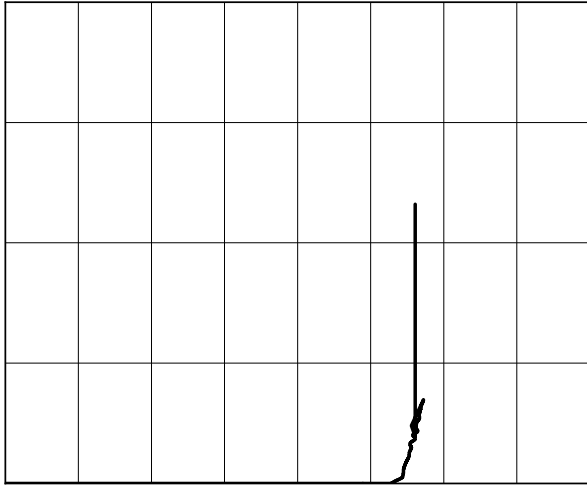
Electrical Characteristics $T_J=25$

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse Standoff Voltage	V_{RWM}	V				24
Reverse leakage current	FF >		0s ♥			

Ω Characteristics (Typical)

Fig.1 8/20μs waveform per IEC61000-4-5





Ω Outline Dimensions



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