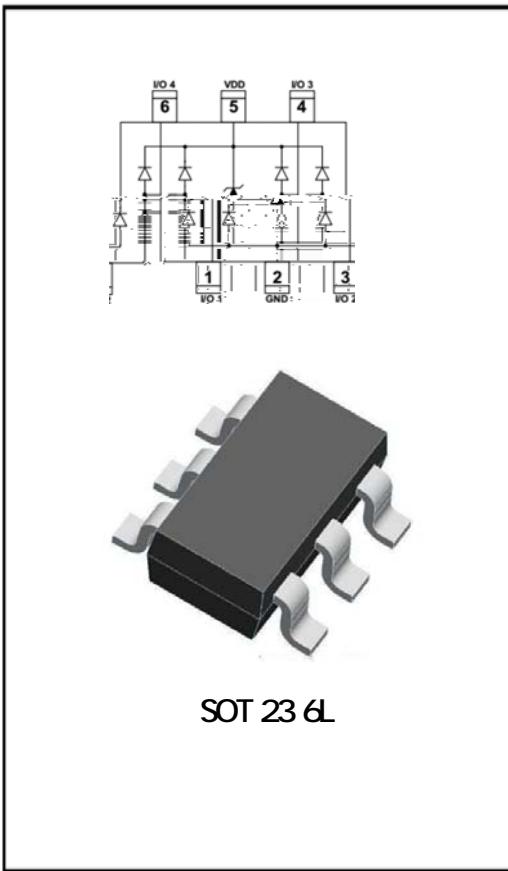


## 4-Line, Uni-directional, Ultra-low Capacitance, Transient Voltage Suppressor



### Features

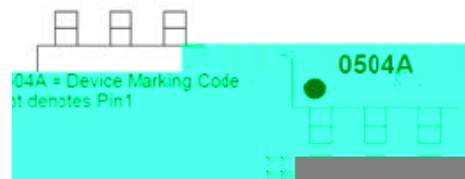
- Operating voltage: 5V
- Transient protection for each line according to
  - IEC61000-4-2(ESD):  $\pm 20\text{kV}$  (contact)
  - IEC61000-4-5(surge): 5A (8/20 $\mu\text{s}$ )
- Ultra low capacitance:  $C_j=0.65\text{pF}$  typ
- Ultra low leakage
- Low clamping voltage
- Up to 4 lines protects
- RoHS Compliant

### Applications

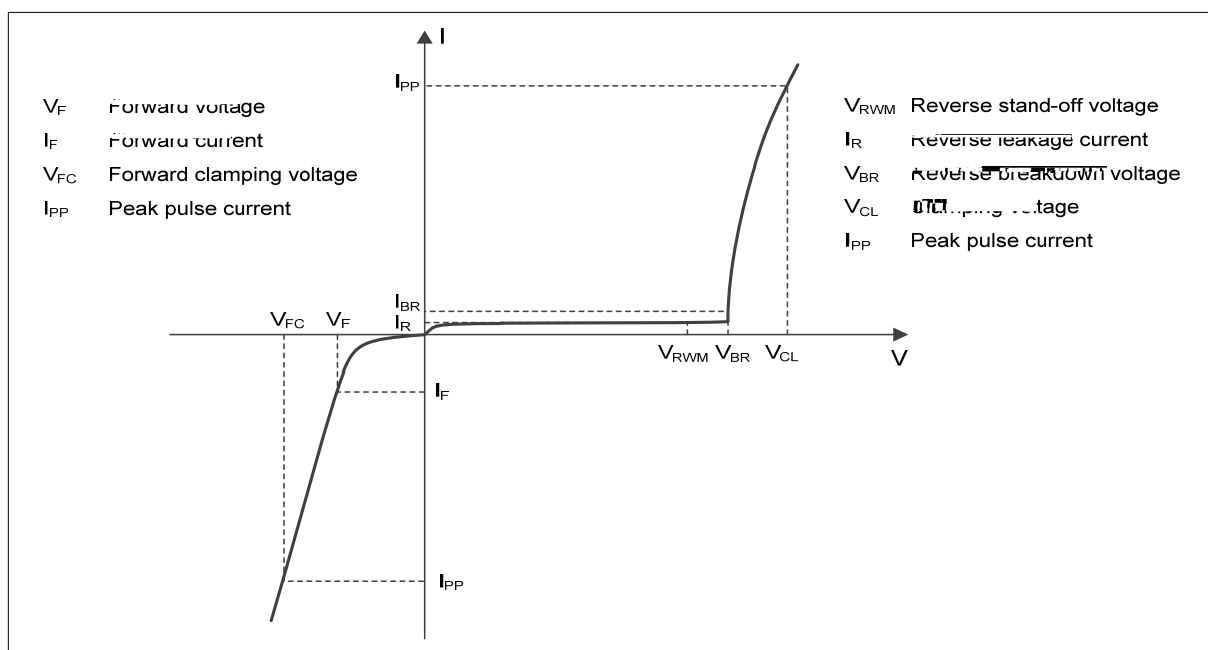
- USB 2.0 Power and Data lines protection
- Digital Visual Interface (DVI)
- Monitors and Flat Panel Displays
- Video Graphic Cards
- Notebook and PC Computers

### Mechanical Data

- Package: SOT-23-6L
- Lead Finish: Matte Tin
- Case Material: "Green" Molding Compound.
- Moisture Sensitivity: Level 1 per J-STD-020
- Marking Information: See Below



### Definitions of electrical characteristics



## C0504S2

SYMBOL	LIMITS	UNIT
$P_{pk}$	75	W
$I_{PP}$	5	A
$V_{ESD}$	±25	KV
	±20	
$T_J$	-55~125	°C
$T_{STG}$	-55~150	°C

ise specified

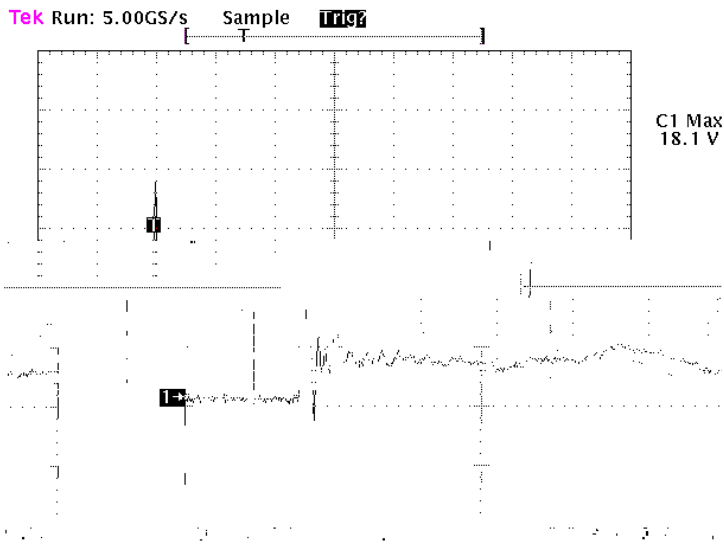
UNIT	Conditions	Min	Typ	Max
V	Any I/O pin to ground			5.0





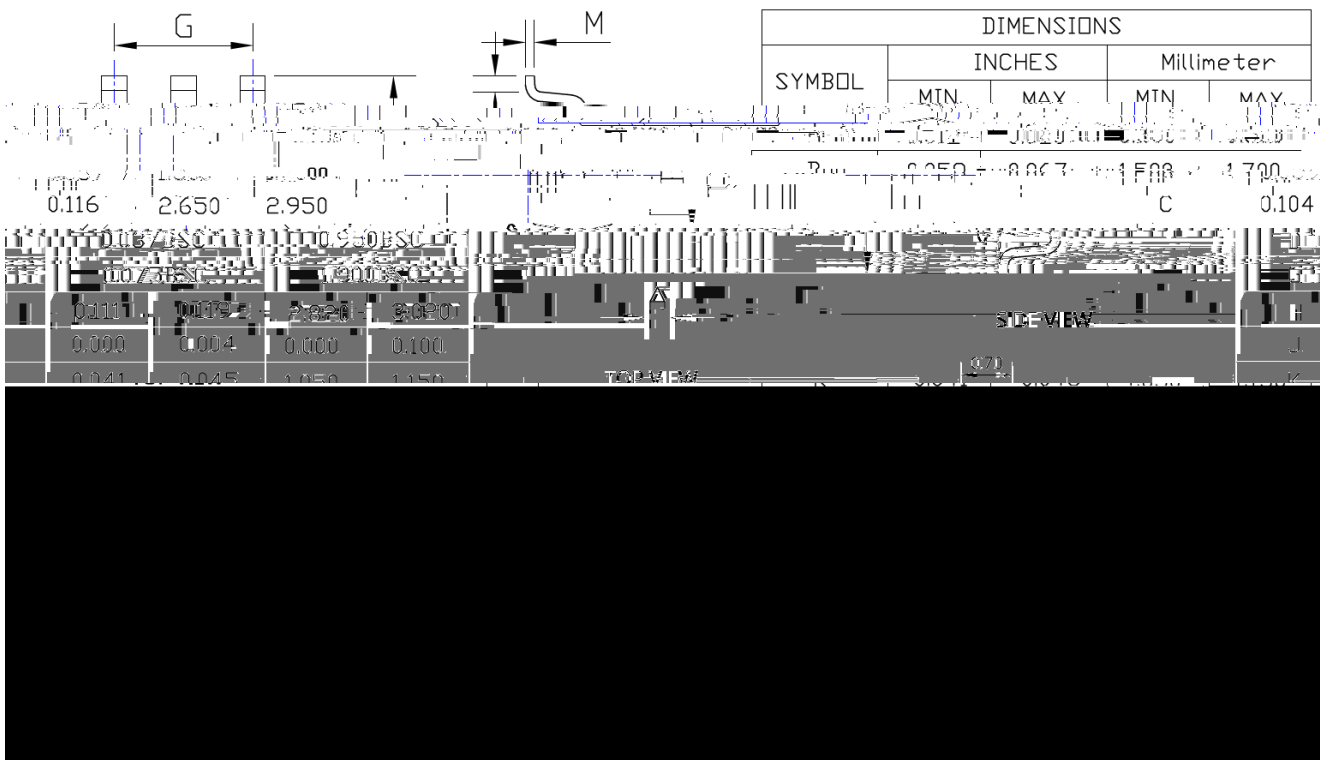
# ESDSL0504S2

Fig.7 ESD clamping  
(+8kV contact discharge per IEC61000-4-2)



Note Data is taken With a 10x attenuator

## Outline Dimensions





## ESDSL0504S2

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### Disclaimer

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