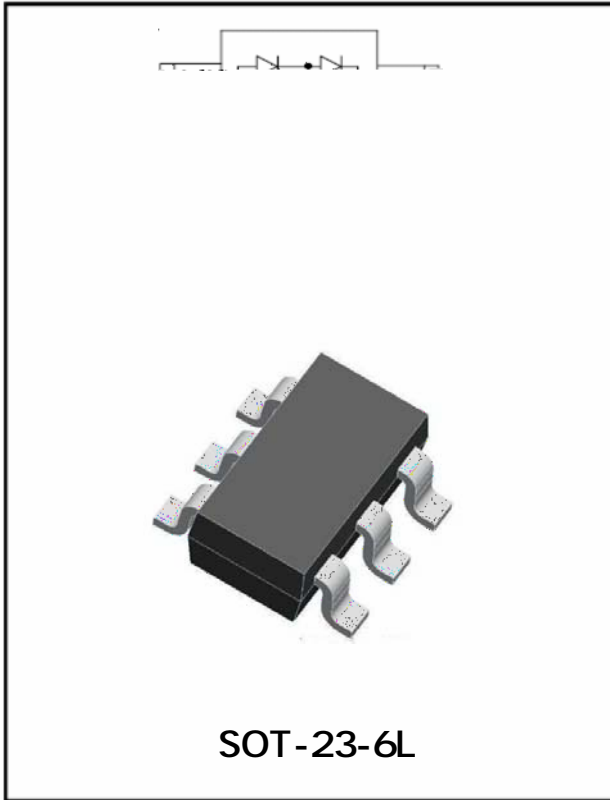


4-Line, Uni-directional, low Capacitance TVS Diode Array



Features

- Stand-off voltage: 5V Max
- Transient protection for each line according to
 - IEC61000-4-2(ESD): $\pm 30\text{kV}$ (contact)
 - IEC61000-4-5(surge): 16A (8/20 μs)
- Ultra-low capacitance: $C_J = 3\text{ pF}$ typ
- Low leakage current
- Low clamping voltage
- RoHS Compliant

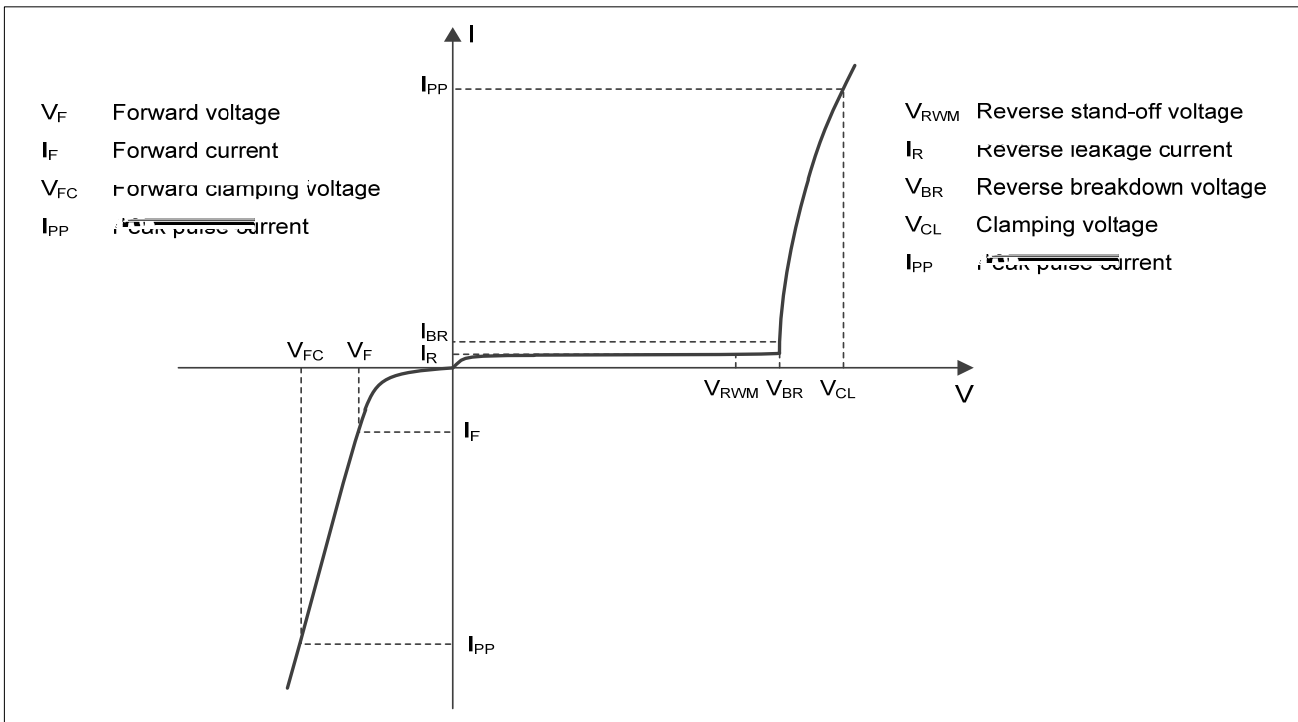
Applications

- USB 2.0 power and data line
- Monitors and flat panel displays
- Set-top box and digital TV
- Digital visual interface (DVI)
- : Level 1 per J-STD-020

More Information: See Below



Definitions of electrical characteristics





SRV05-4L

Absolute Maximum Ratings (Ta=25°C unless otherwise specified)

PARAMETER	SYMBOL	Rating	UNIT
Peak pulse power ($t_p = 8/20\mu s$)	P_{pk}	240	W
Peak pulse current ($t_p = 8/20\mu s$)	I_{pp}	16	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 30	KV
ESD according to IEC61000-4-2 contact discharge		± 30	KV
Junction temperature	T_J	-55~125	°C
Storage temperature	T_{STG}	-55~150	°C

Electrical Characteristics Ta=25 Unless otherwise specified

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse maximum working voltage	V_{RWM}	V	Any I/O Pin to ground			5.0
Reverse leakage current	I_R	μA	$V_{RWM} = 5V$, any I/O Pin to ground			0.5
Reverse breakdown voltage	V_{BR}	V	$I_{BR} = 1mA$, any I/O pin to ground	6.0		
Forward voltage	V_F	V	$I_F = 15mA$, ground to Pin 1,3,4,5,6			1.2
Clamping voltage ³⁾	V_{CL}	V	$I_{PP} = 1A$, $t_p = 8/20\mu s$, any I/O pin to ground			12
		V	$I_{PP} = 16A$, uT			

M

S -/

)LJ (6' FODPSLQJ , 2 WR *1'
N9 FRQWDFW GLVFKDUJH SHU ,(&

)LJ 7/3 0HDVXUHPHQW
\$Q\ , 2 SLQ WR JURXQG

v627 / 3DFNDJH 2XWOLQH 'UDZLQJ



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