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CESD8LVU2.8-4

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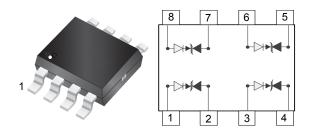
Low Capacitance ESD TVS Array in SO-8

Features

- 500Watts peak pulse power (tp = 8/20µs)
- SO-8 Package
- Protects two line pairs
- Protects Up to two Bidirectional I/O lines
- Low clamping voltage
- Low leakage current
- Low capacitance
- Transient protection for high-speed data lines to : IEC 61000-4-2 (ESD) ±30kV (air), ±30kV (contact) IEC 61000-4-4 (EFT) 40A (5/50ns)
 IEC 61000-4-5 (Lightning) 24A (8/20µs)



- Case: SO-8 (plastic package).
 Lead free; RoHS compliant; Halogen free
- Molding Compound Flammability Rating: UL 94 V-0
- **Terminals:** High temperature soldering guaranteed: 260 °C/10 sec. at terminals



Applications

- 10/100 Ethernet
- Integrated magnetics/RJ-45 connectors
- LAN/WAN Equipment
- Security Cameras
- Industrial Controls
- Peripherals
- Notebooks & Desktop Computers

Absolute Maximum Ratings

Ratings at 25 °C, ambient temperature unless otherwise specified

Parameter	Symbol	Value	Unit
Peak Pulse Power (T _P =8/20µS)	P _{PP}	500	W
ESD contact/air discharge (IEC-61000-4-2)	V _{ESD}	30/30	kV
Peak Pulse Current (t⊵ = 8/20µS)	I _{PP}	24	А
Junction Temperature	TJ	-55 to +125	°C
Storage temperature	T _{STG}	-55 to +150	°C

Electrical Characteristics

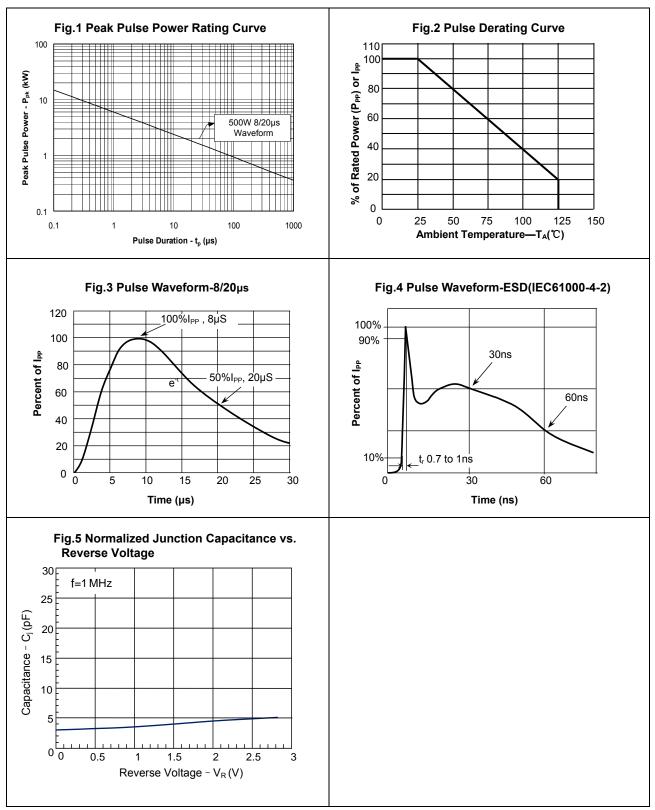
(T_A = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Тур	Max	Unit
Reverse stand-off Voltage	V _{RWM}				2.8	V
Reverse Breakdown Voltage	V _{BR}	I⊤=1mA	3.0			V
Reverse Leakage Current	I _R	V _R =2.8V			0.5	μA
Clamping Voltage	Vc	I _{PP} =5Α,T _P =8/20μS			8.5	V
Clamping Voltage	Vc	I _{PP} =24Α,T _P =8/20μS			24	V
Junction Capacitance	CJ	V _R =0V,f=1MHz		3		pF

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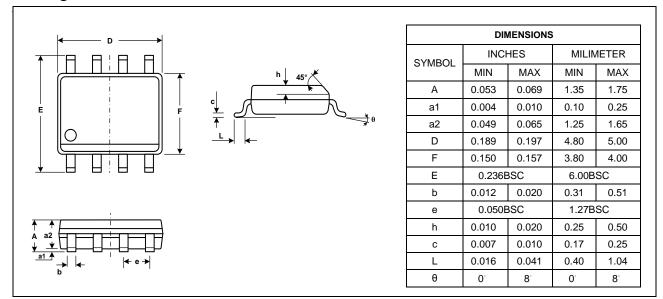
Typical Characteristics ($T_{amb} = 25 \text{ °C}$ unless otherwise specified)



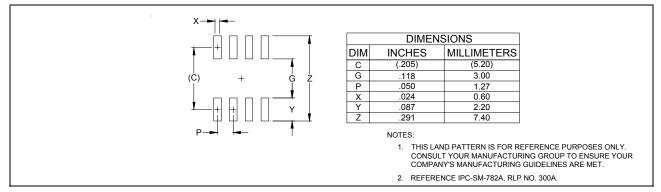
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Package Dimensions



Pad Dimensions



Marking

SLVU2.8
• -4

Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
CESD8LVU2.8-4	SO-8	Tape and reel	2500pcs / reel	EIA STD RS-481

Revision history

Date	Revision	Changes
23-May-2012	1.0	Initial release

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