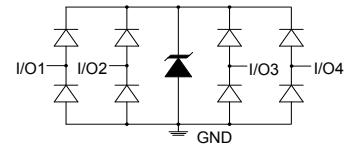
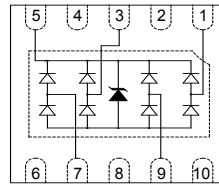


Low Capacitance ESD TVS Array in DFN2626

Features

- 450Watts peak pulse power ($t_p = 8/20\mu s$)
- DFN2626 package
- Package optimized for high-speed lines
- Provides protection for two line pairs
- Low clamping voltage
- Low leakage current
- Medium capacitance ($C_J = 2.0pF$ typ.)
- Protection one data/power line to:
 - IEC 61000-4-2 $\pm 30kV$ contact $\pm 30kV$ air
 - IEC 61000-4-4 (EFT) 40A (5/50ns)
 - IEC 61000-4-5 (Lightning) 25A (8/20 μs)



Mechanical Data

- **Case:** DFN2626 (plastic package).
Lead free; RoHS compliant
- **Molding Compound Flammability Rating:**
UL 94 V-0
- **Terminals:** High temperature soldering guaranteed:
260 °C/10 sec. at terminals

Applications

- WAN/LAN Equipment
- Switching Systems
- Audio/Video Inputs
- 10/100/1000M Ethernet Ports
- Desktops, Servers and Notebooks ,
Cellular Phones

Absolute Maximum Ratings

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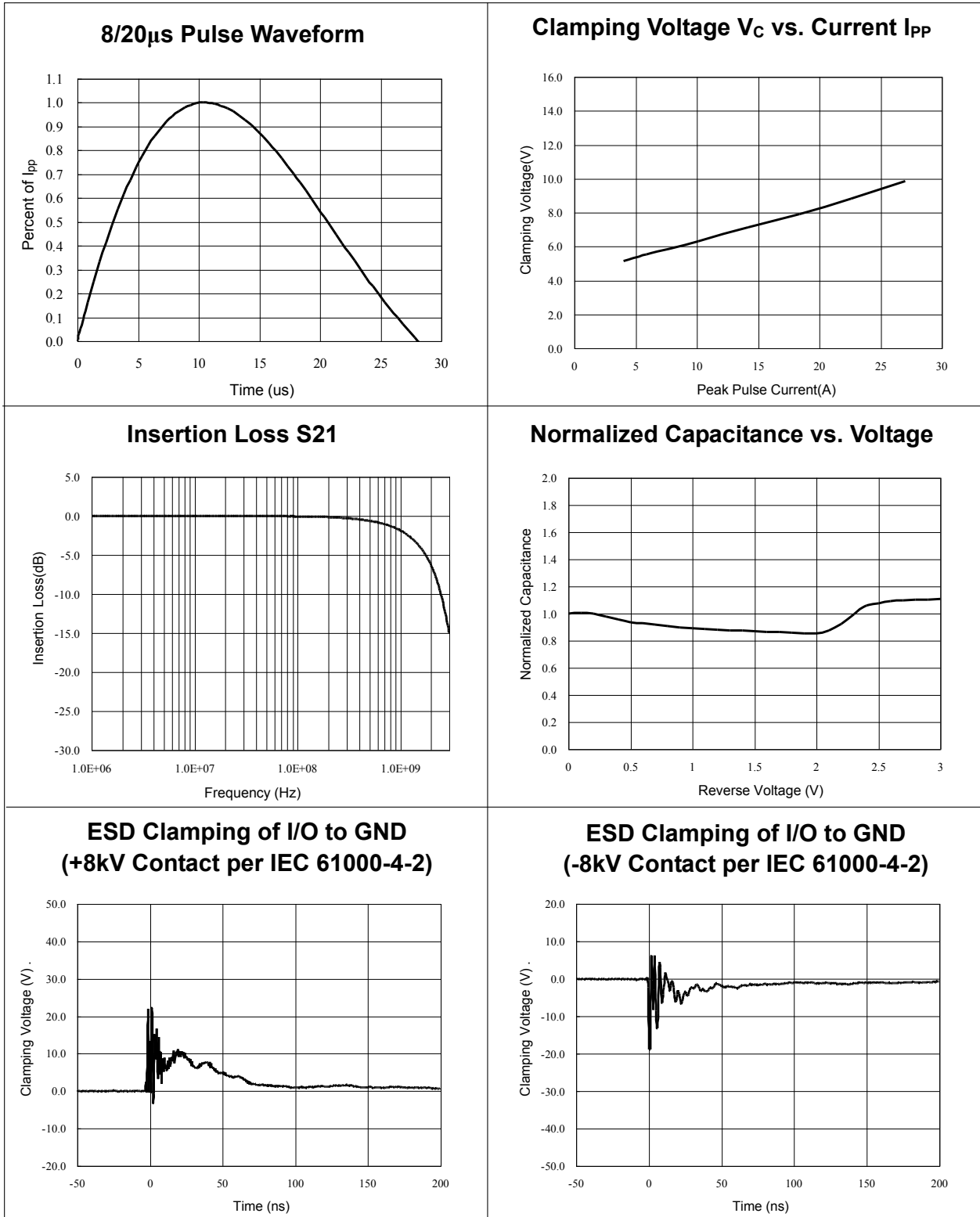
Parameter	Symbol	Value	Unit
Peak Pulse Power ($T_P = 8/20\mu S$)	P_{PP}	450	W
ESD contact/air discharge (IEC-61000-4-2)	V_{ESD}	30/30	kV
Peak Pulse Current ($t_P = 8/20\mu S$)	I_{PP}	25	A
Junction Temperature	T_J	-55 to +125	°C
Storage temperature	T_{STG}	-55 to +150	°C

Electrical Characteristics

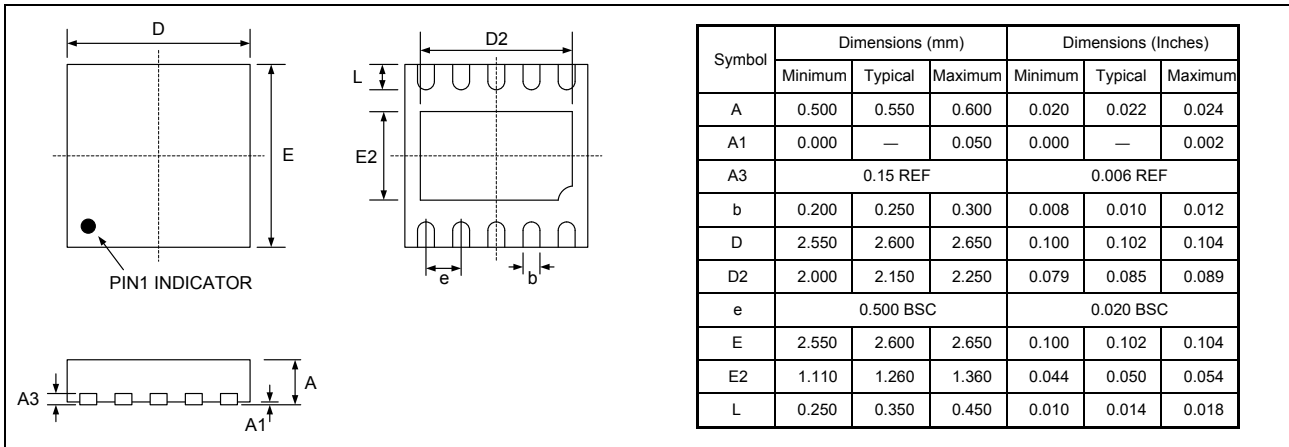
($T_A = 25$ °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	V_{RWM}				2.5	V
Reverse Breakdown Voltage	V_{BR}	$I_T = 1mA$	3.3			V
Reverse Leakage Current	I_R	$V_R = 2.5V$			1.0	μA
Clamping Voltage (IEC 61000-4-5)	V_C	$I_{PP} = 1A, t_p = 8/20\mu s$		5.5		V
Clamping Voltage (IEC 61000-4-5)	V_C	$I_{PP} = 10A, t_p = 8/20\mu s$		8.5		V
Clamping Voltage (IEC 61000-4-5)	V_C	$I_{PP} = 25A, t_p = 8/20\mu s$		16		V
Junction Capacitance	C_J	$V_R = 0V, f = 1MHz, I/O$ to I/O		1.5		pF
Junction Capacitance	C_J	$V_R = 0V, f = 1MHz, I/O$ to GND		3.0		pF

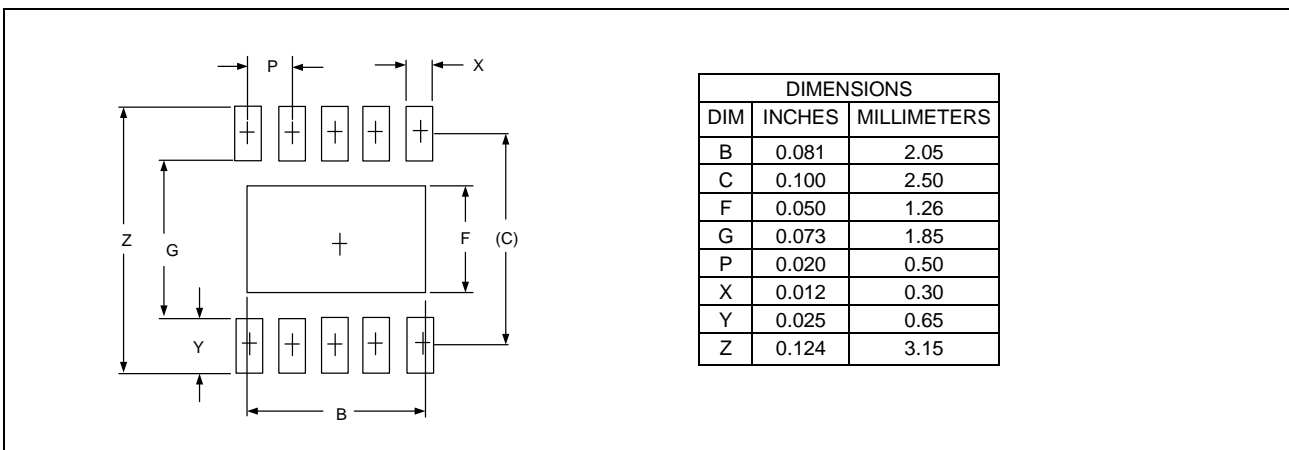
Typical Characteristics ($T_{amb} = 25\text{ }^{\circ}\text{C}$ unless otherwise specified)



Package Dimensions



Part number system



Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
TESD2626LC2V5U	DFN2626	Tape and reel	3000pcs / reel	EIA STD RS-481