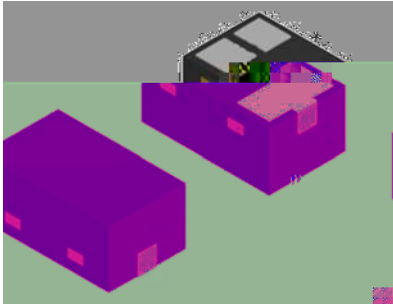
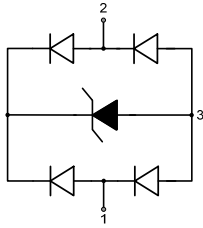




ESDSL5V0LT

2-Lines, Uni-directional, Ultra-low Capacitance, Transient Voltage Suppressor



DFN1006 3L

Features

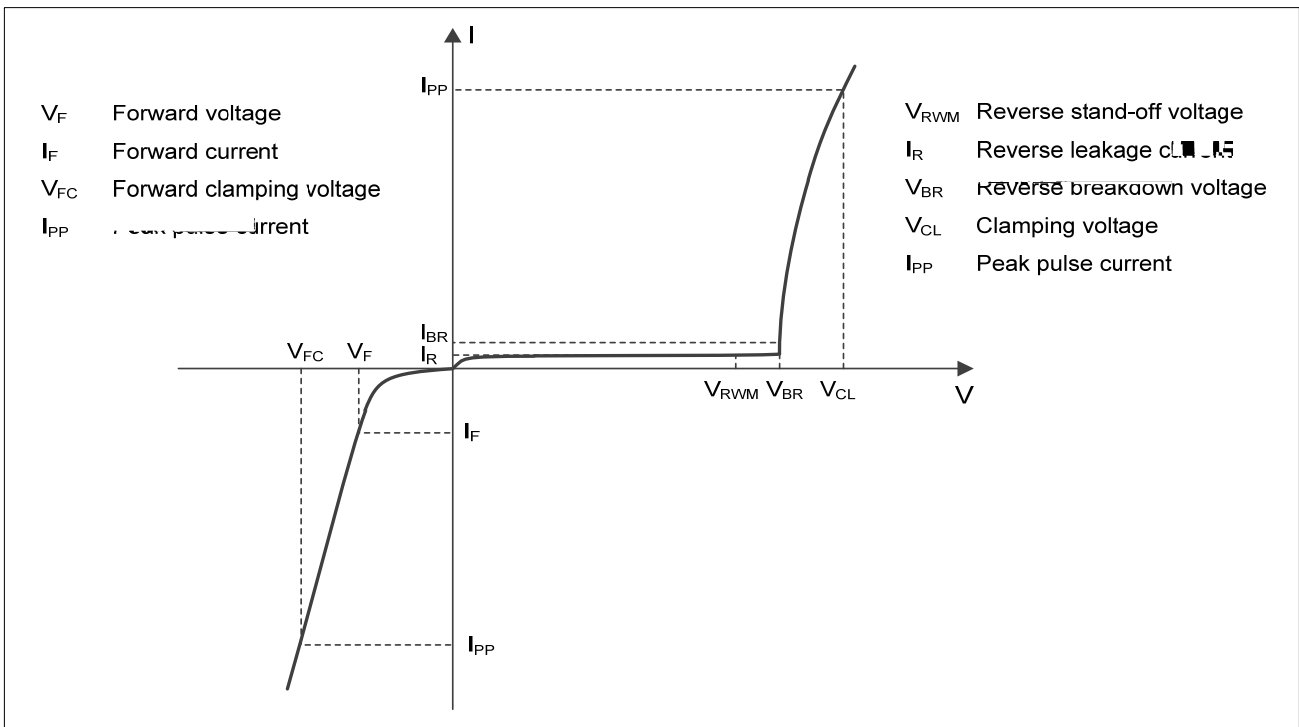
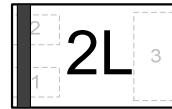
- Ultra small package
- Stand-off voltage: $\pm 5V$ Max
- Transient protection for each line according to
 - IEC61000-4-2(ESD): $\pm 20kV$ (contact)
 - IEC61000-4-5(surge): 3.5A (8/20 μs)
- Ultra-low capacitance: $C_J = 0.4pF$ typ
- Low leakage current
- Low clamping voltage
- RoHS Compliant

Applications

- USB 2.0 and USB 3.0
- HDMI 1.3, HDMI 1.4 and HDMI 2.0
- SATA and eSATA interface
- DVI
- IEEE 1394
- Portable Electronics and Notebooks
- Ethernet port: 10/100/1000 Mbs/s
- Desktop and Notebooks PCS

Mechanical Characteristics

- Package: DFN1006-3L
- Case Material: "Green" Molding Compound.
- Moisture Sen:DF LevD-3.0/s





ESDSL5V0LT

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

PARAMETER	SYMBOL	Rating	UNIT
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Peak pulse power (t

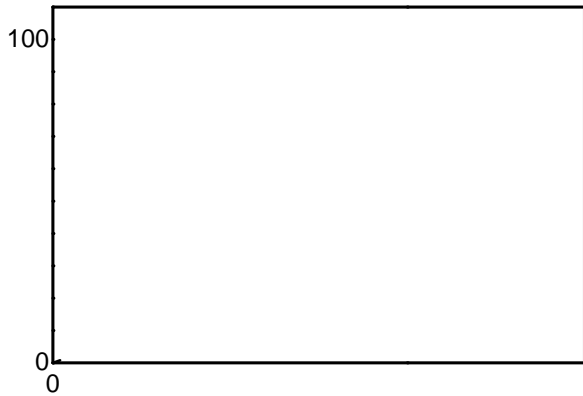


ESDSL5V0LT

Typical Performance Characteristics (Ta=25 unless otherwise Specified)

8/20 μ s waveform per IEC61000 4 5

Contact discharge current waveform per IEC61000 4 2



lamping voltage vs. Peak pulse current

Capacitance vs. Reverse voltage

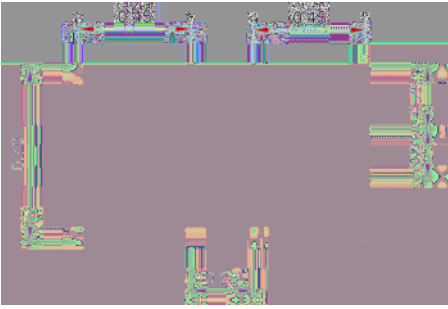
Non repetitive peak pulse power vs. Pulse time

Power derating vs. Ambient temperature

ESDSL5C5V0LT



Recommend land pattern (Unit:mm)



Notes:

This recommended land pattern is for reference purposes only. Please consult your manufacturing group to ensure your PCB design guidelines are met

ESDSL5V0LT
