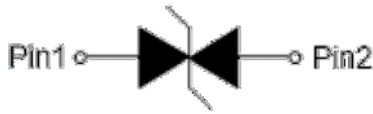


1-Line, Bi-directional, Transient Voltage Suppressor



DFN1006-2L

Features

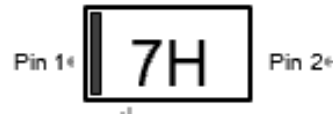
- Stand-off voltage: $\pm 7V$ Max
- Transient protection for each line according to
 - IEC61000-4-2(ESD): $\sim 30kV$ (contact)
 - IEC61000-4-4 (EFT): 40A (5/50ns)
 - IEC61000-4-5(surge): 9A (8/20 μs)
- Low leakage current
- Ultra-low capacitance: $C_J = 20pF$ typ
- Low clamping voltage:
 $V_{CL} = 9.6V$ typ. @ $I_{PP} = 16A$ (TLP)
- RoHS Compliant

Applications

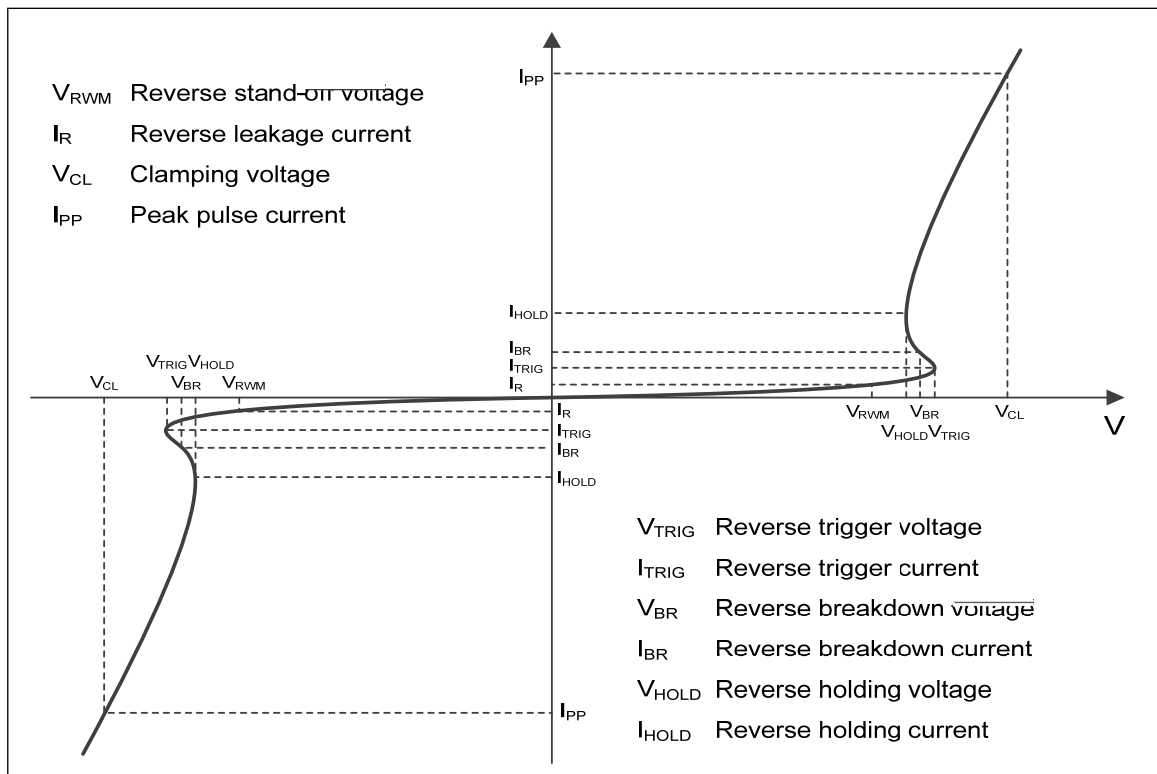
- Cellular Handsets
- Tablets
- Laptops
- Other portable devices
- Network communication devices

Mechanical Data

- Package: DFN1006-2L
- Case Material: "Green" Molding Compound
- Moisture Sensitivity: Level 3 per J-STD-020
- Marking Information: See Below



Definitions of electrical characteristics





γ Characteristics (Typical)

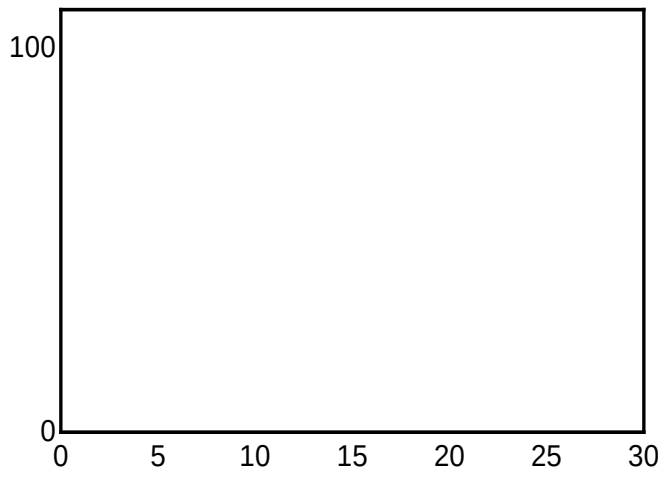
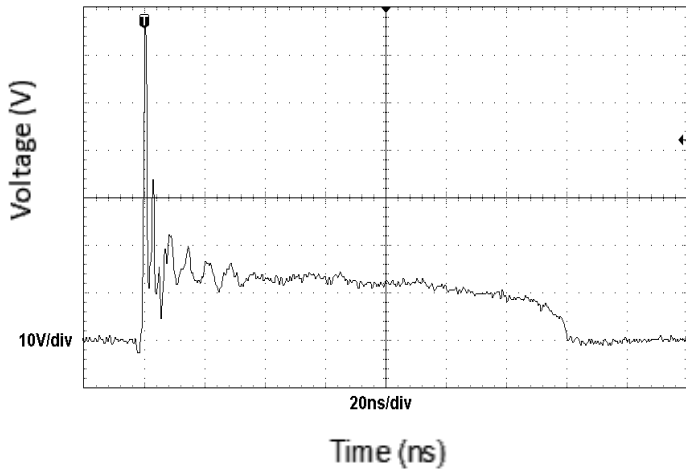


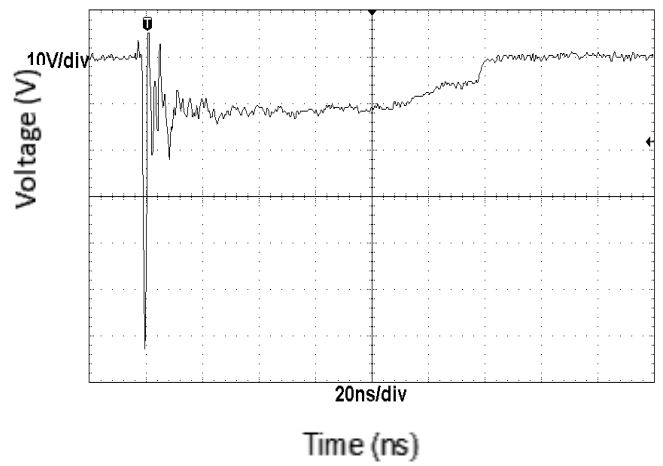


Fig.7 ESD clamping



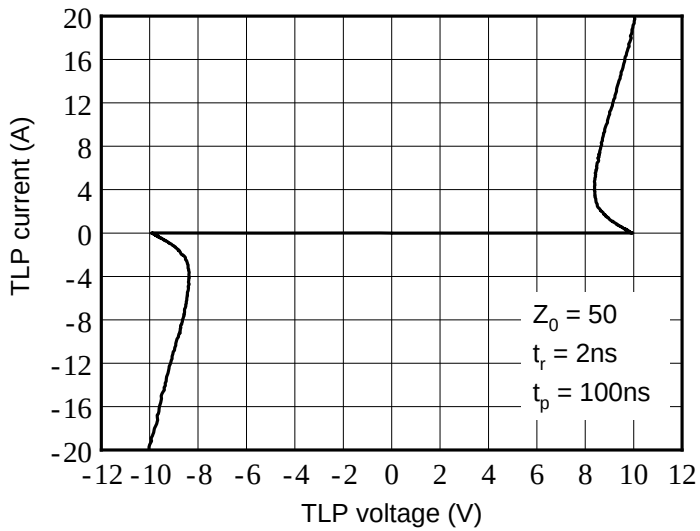
(+8kV contact discharge per IEC61000-4-2)

Fig.8 ESD clamping t



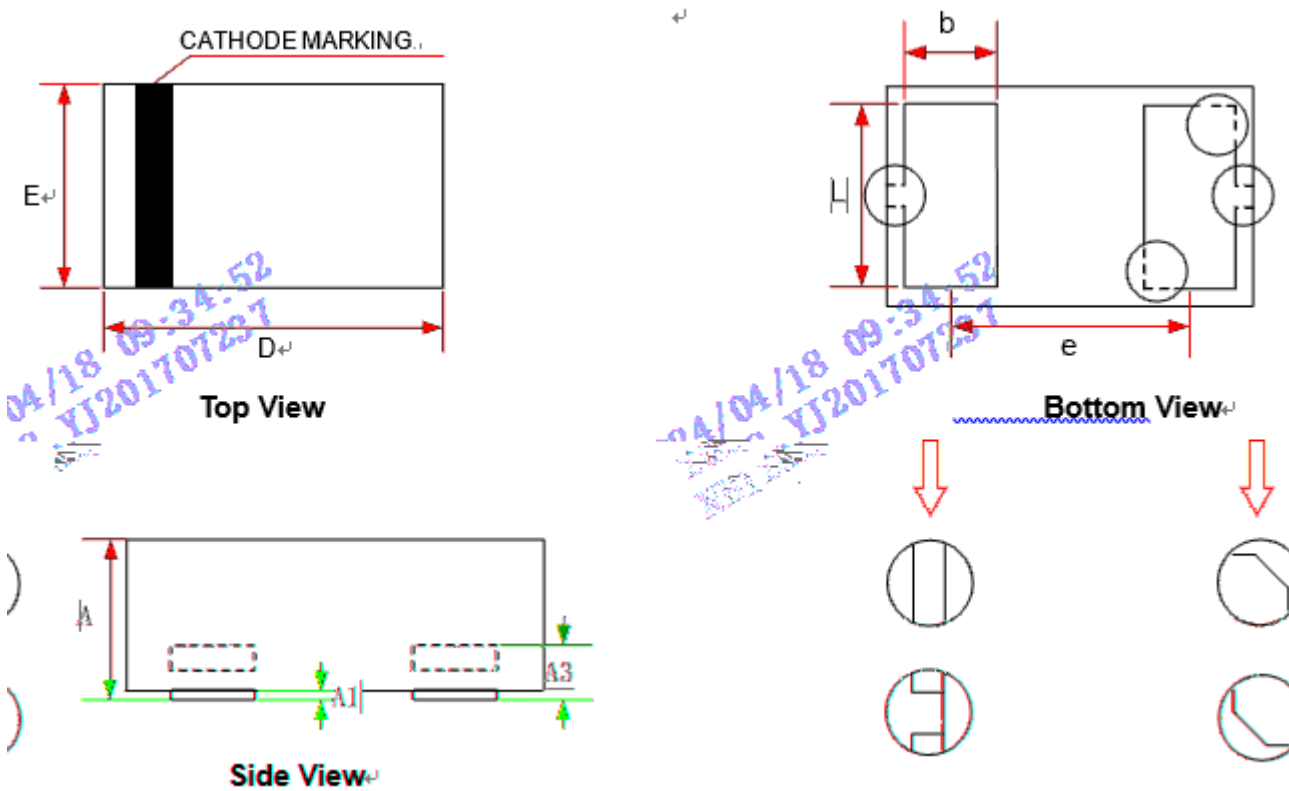
(-8kV contact discharge per IEC61000-4-2)

Fig.9 TLP Measurement



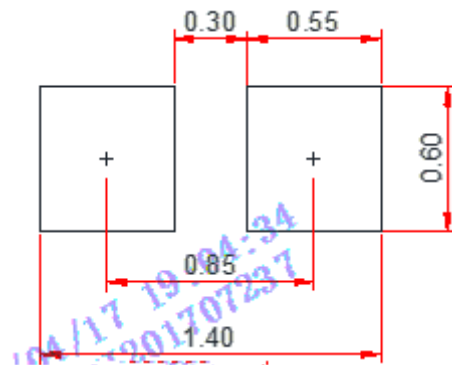


Outline Dimensions



Symbol	Dimensions in Millimeters		
	Min.	Typ.	Max.
A	0.340	0.450	0.530
A1	0.000	0.020	0.050
A3	0.125 Ref.		
D	0.950	1.000	1.080
E	0.550	0.600	0.680
b	0.200	0.250	0.300
L	0.450	0.500	0.550
e	0.650 BSC		

Recommended PCB Layout



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.



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