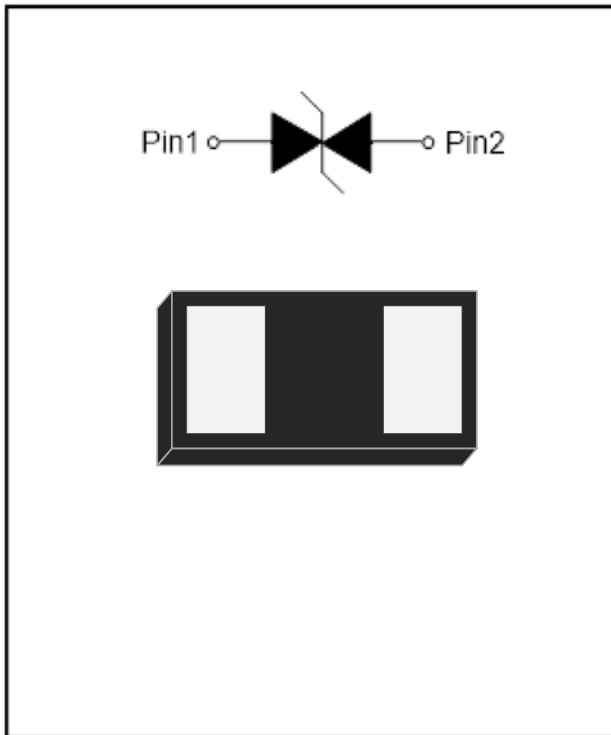


1-Line, Bi-directional, Transient Voltage Suppressor

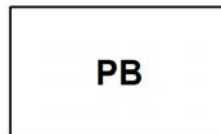


- Keypads, Side Keys, LCD Displays
- Audio Players
- Peripherals
- Digital Cameras
- Portable Instrumentation
- Notebooks and Handhelds
- Personal Digital Assistants
- Cellular Handsets and Accessories

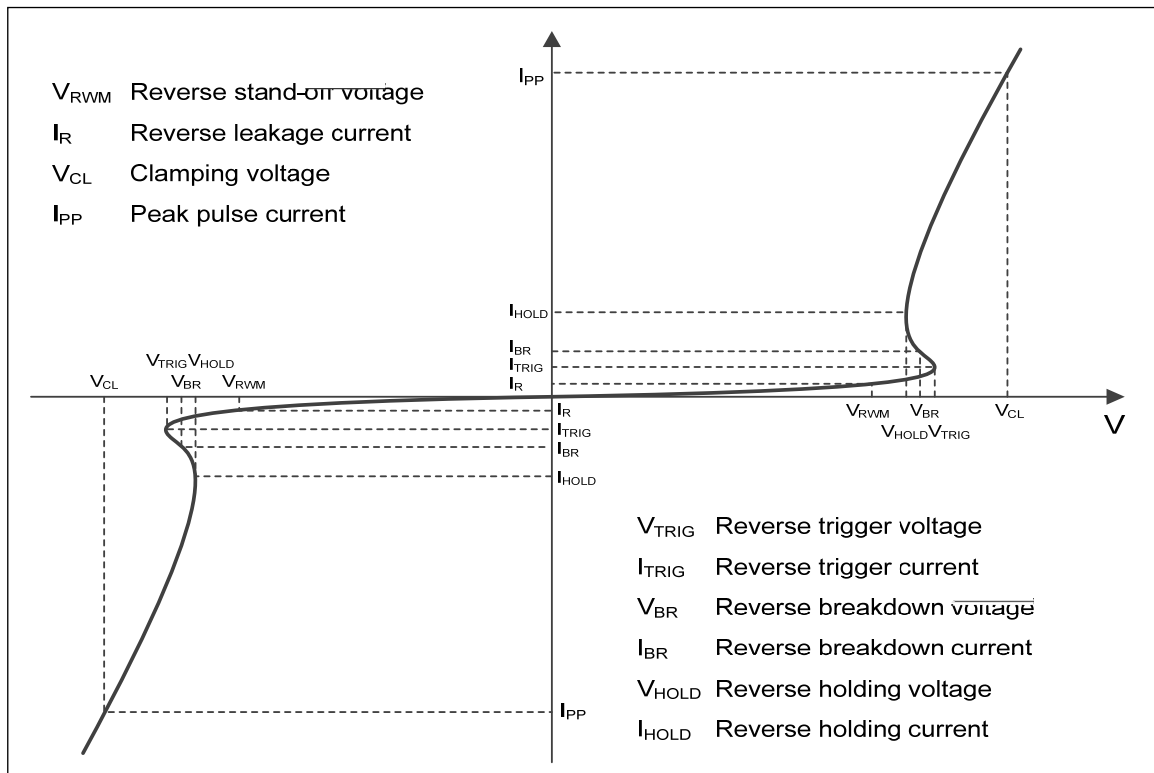
Applications

- Marking Information: See Below
- ESD Protection: "Green" Molding Compound
- Package: DFN1006-2L

Mechanical Data



Definitions of electrical characteristics





ESD5V0LBS

■Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
Peak pulse power ($t_p = 8/20\mu s$)	P_{pk}	92	W
Peak pulse current ($t_p = 8/20\mu s$)	I_{PP}	8	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 30	kV
ESD according to IEC61000-4-2 contact discharge		± 30	
Junction temperature	T_J	125	$^{\circ}C$
Storage temperature	T_{STG}	-55~150	$^{\circ}C$

■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse maximum working voltage	V_{RWM}	V				5
Reverse leakage current	I_R	nA	$V_{RWM} = 5V$			200
Reverse breakdown voltage	V_{BR}	V	$I_{BR} = 1mA$	6		8
Clamping voltage ¹⁾	V_{CL}	V	$I_{PP} = 1A, t_p = 8/20\mu s$			8
		V	$I_{PP} = 8A, t_p = 8/20\mu s$			11.5

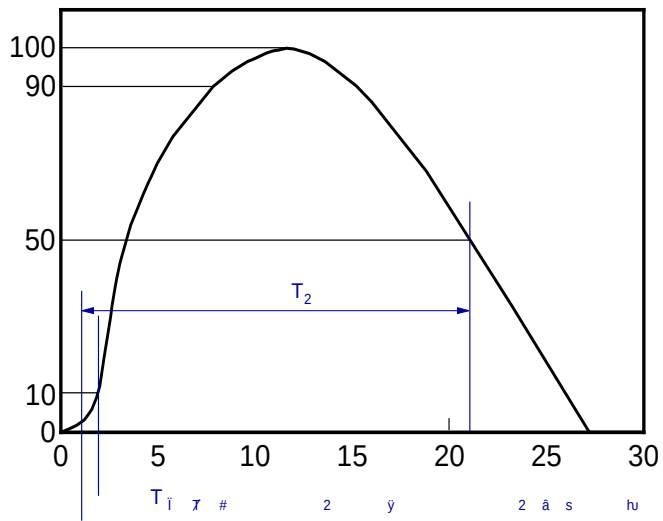
Junction cap

= V, ' ® M ž ε z 16



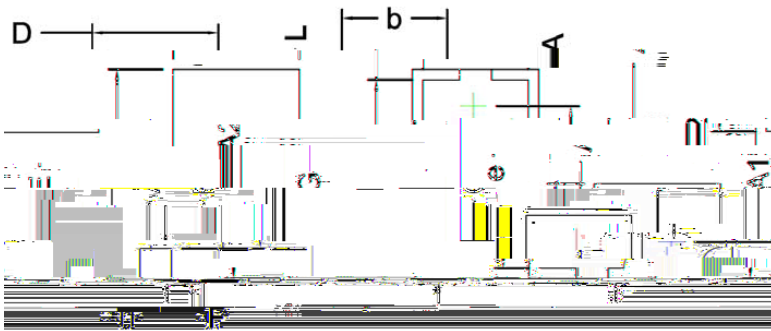
■ Characteristics (Typical)

Fig.1 8/20 μ s waveform per IEC61000-4-5





■ Outline Dimensions



SYMBOL	MIL		
	MIN		
D	0.50		
E	0.90		
A	0.45	0.50	0.55
A1	0.15 BSC		
A2			0.10
F	0.005		
L	0.15	0.25	0.35
b	0.41	0.50	0.59
e	0.65 BSC		

■ Recommended PCB Layout

Unit:mm



Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments).