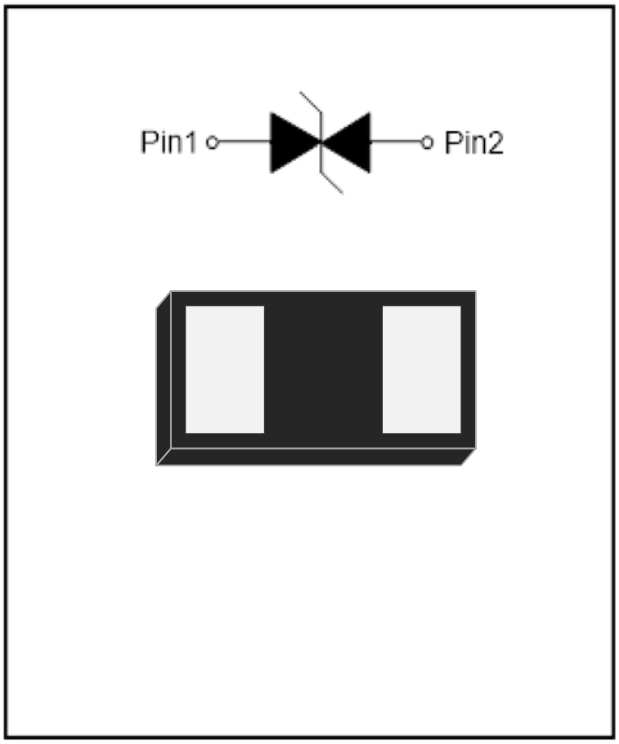
1-Line, Bi-directional, Transient Voltage Suppressor

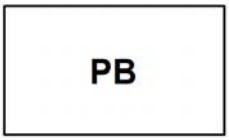


Applications

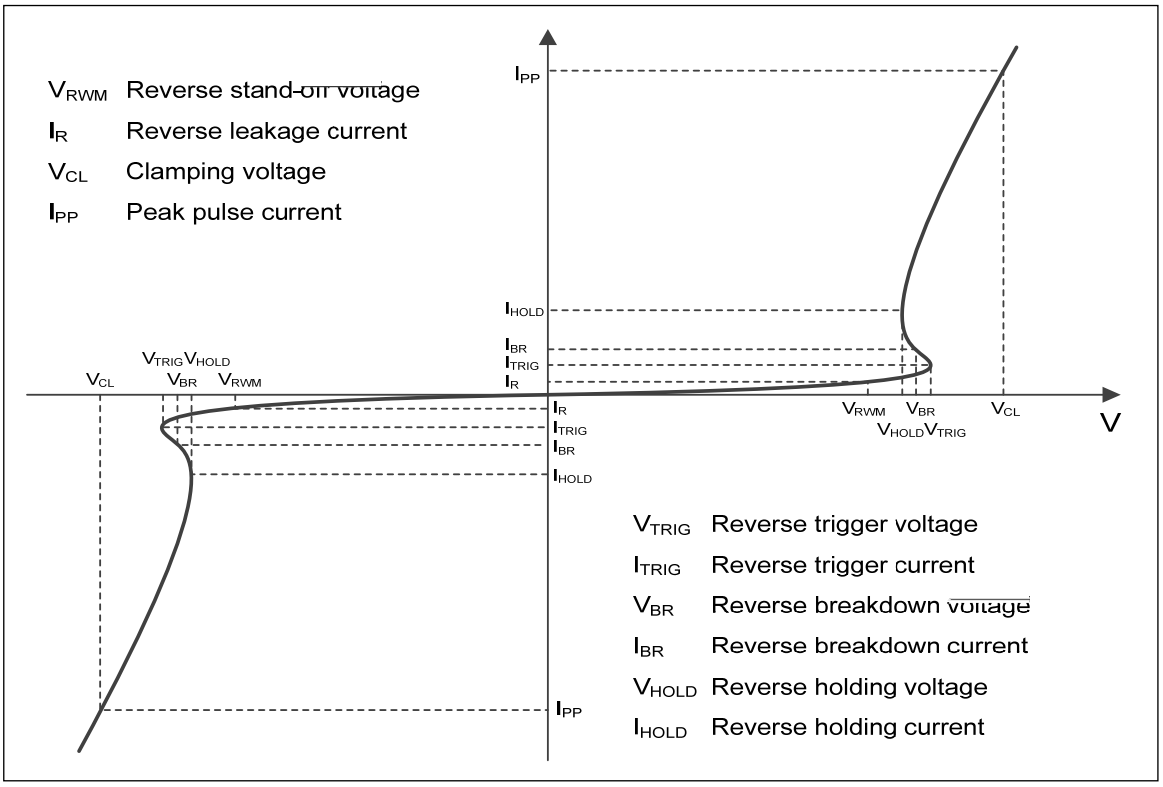
- Keypads, Side Keys, LCD Displays
- Audio Players
- Peripherals
- Digital Cameras
- Portable Instrumentation
- Notebooks and Handhelds
- Personal Digital Assistants
- Cellular Handsets and Accessories

Mechanical Data

- Marking Information: See Below
- Case Material: "Green" Molding Compound
- Package: DFN1006-2L



■Definitions of electrical characteristics



■Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
Peak pulse power (t_p = 8/20μs)	P_{pk}	92	W
Peak pulse current (t_p = 8/20μs)	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	°C
Storage temperature	T_{STG}	-55~150	°C

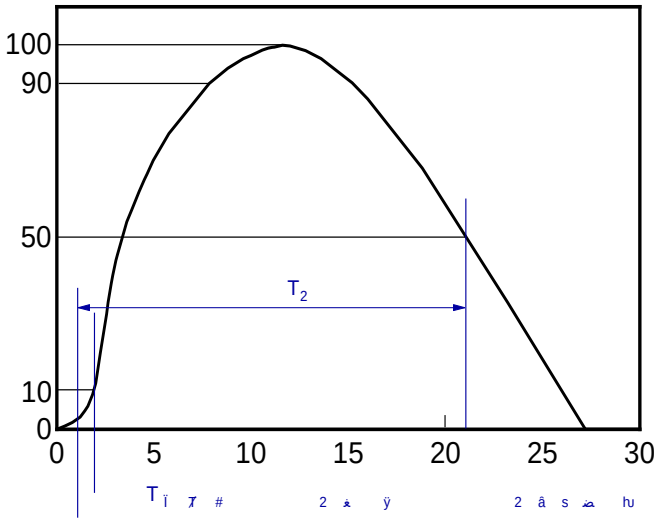
■Electrical Characteristics T_a=25 Unless otherwise specified

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 = 8/20μs			8
		V	I_{PP} =8A, t_p = 8/20μs			11.5

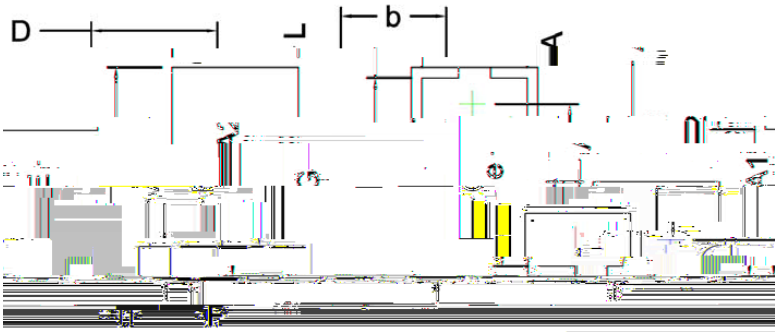
Junction cap = V, ® M ž ε بپ z 16

■ Characteristics (Typical)

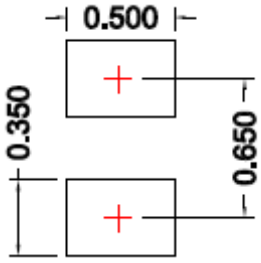
Fig.1 8/20μs waveform per IEC61000-4-5



■ 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

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

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 with would directly endanger human life (such as medical instru ώM u ¡ ʾ uaApdiqe ` ḍ ʾ