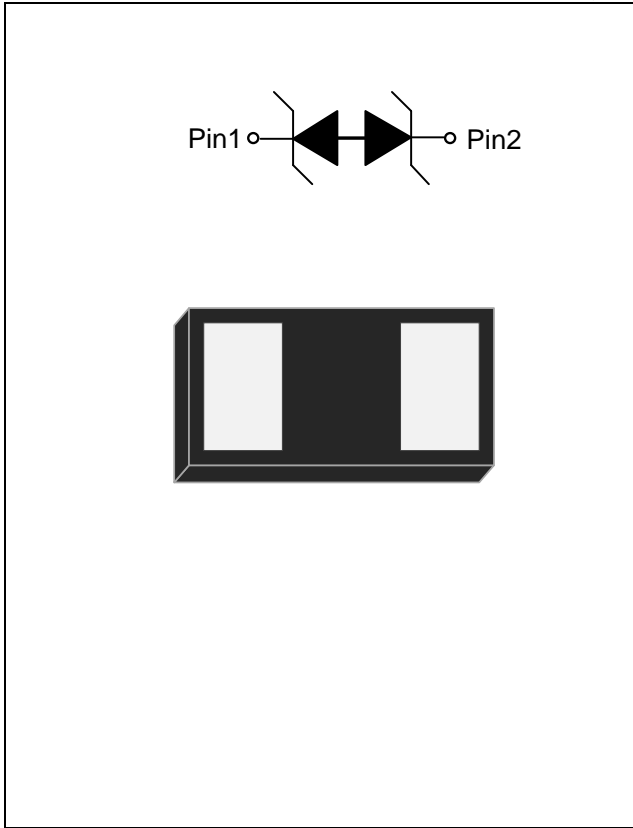




1- Line, Bi-directional, Transient Voltage Suppressor



Features

Stand-off voltage: 7V Max

IEC61000-4-2(ESD): ±30kV (contact)

IEC61000-4-5(surge): 6

ow leakage current

Applications

Cellular handsets

Tablets

Laptops

Network communication devices

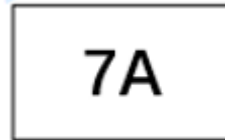
Other portable devices

Mechanical Data

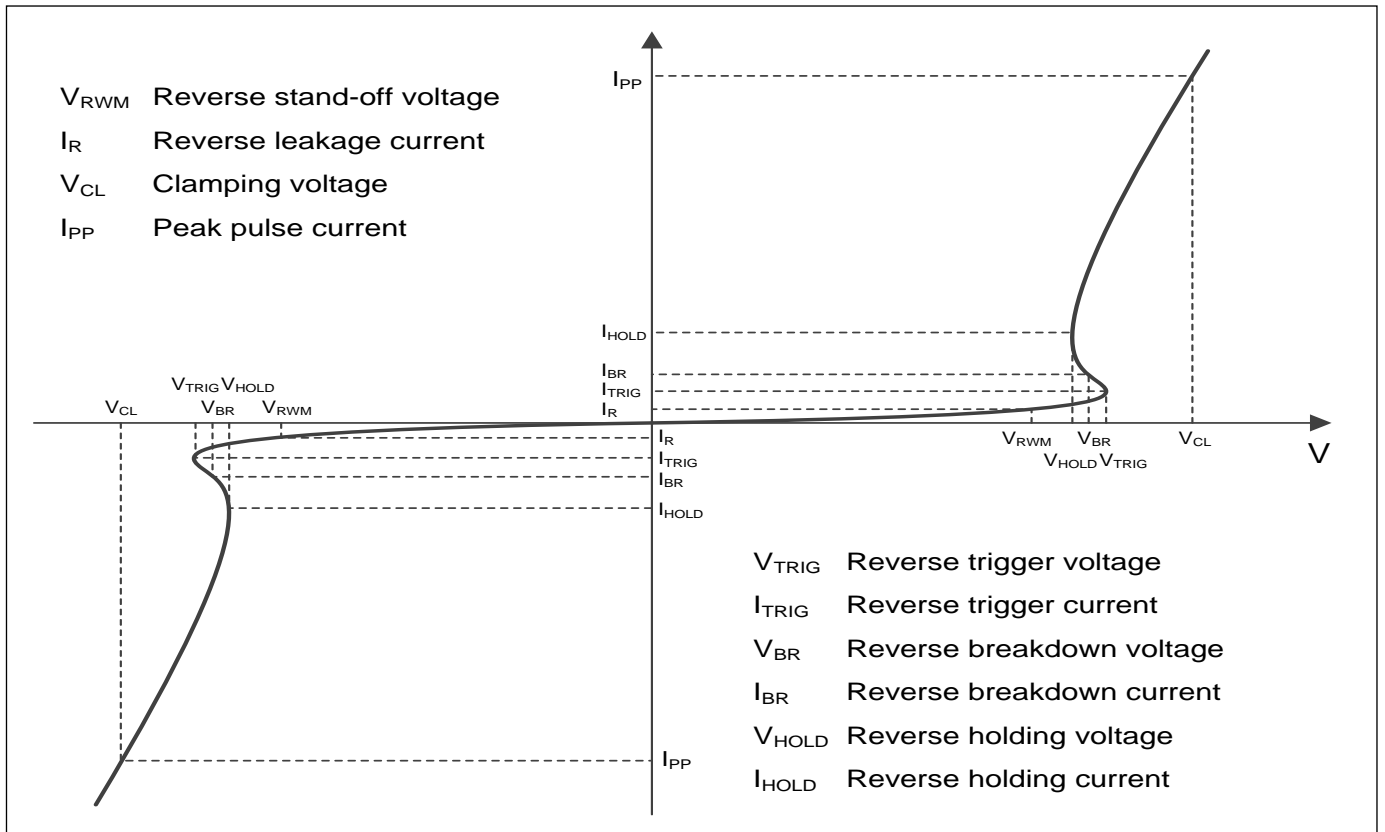
DFN1006-2L

king Information: See Below

Marking:



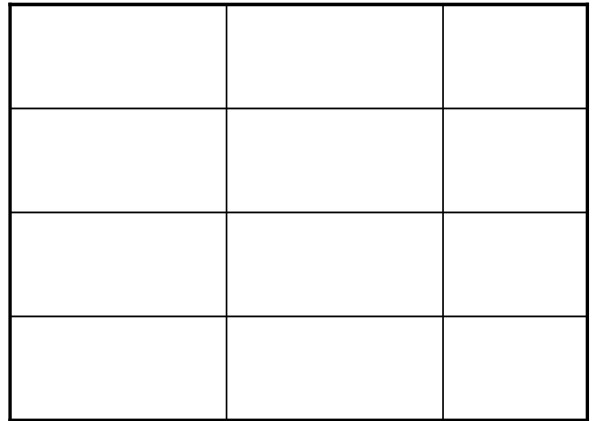
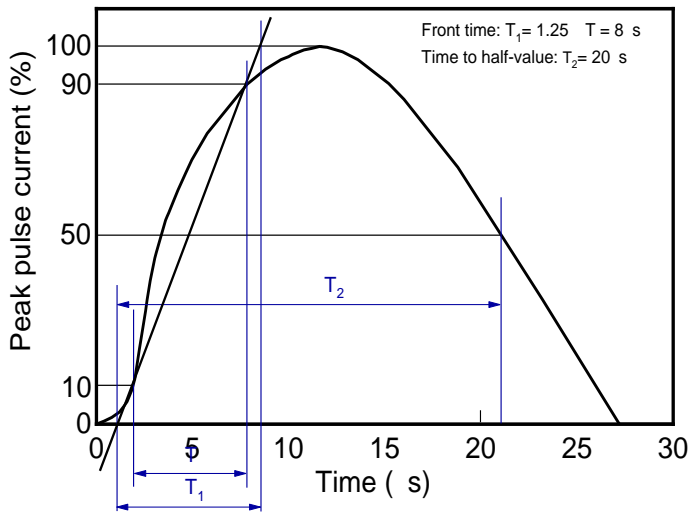
Definitions of electrical characteristics



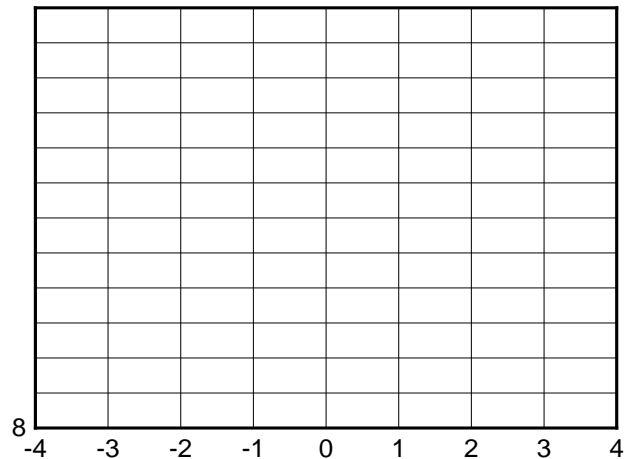
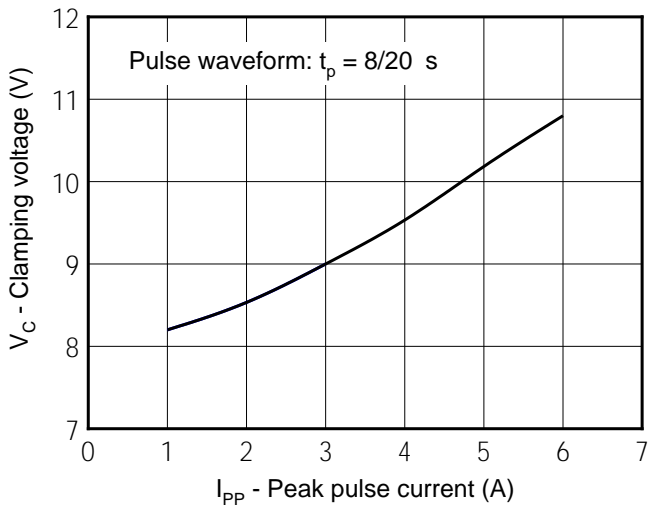


ESD7V0LB2

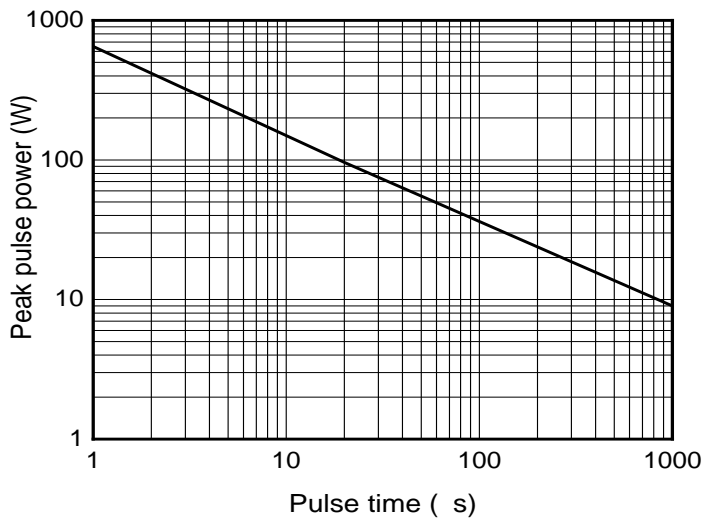
Characteristics (Typical)



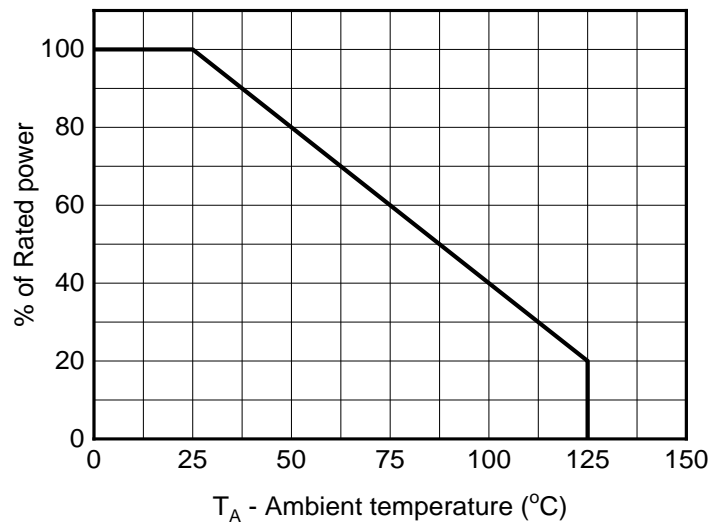
Clamping voltage vs. Peak pulse current

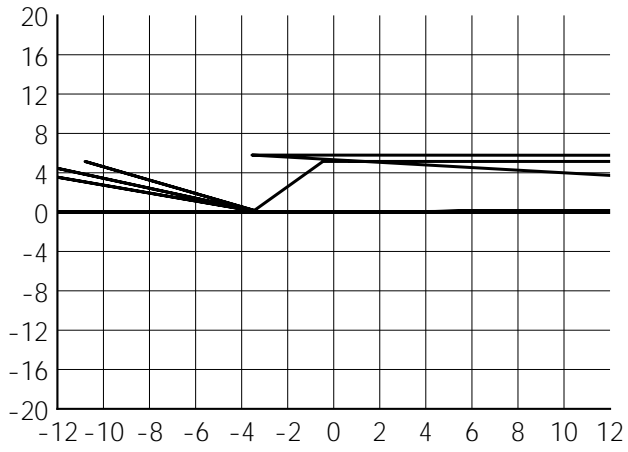


Non-repetitive peak pulse power vs. Pulse time



Power derating vs. Ambient temperature



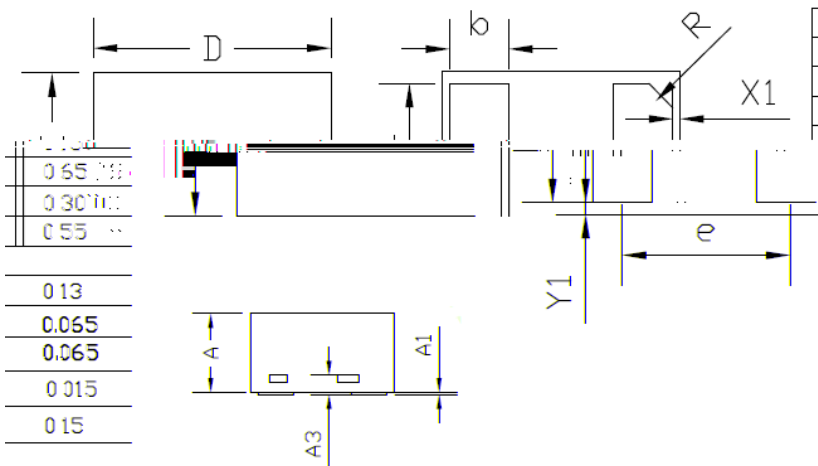


~~100~~ ns



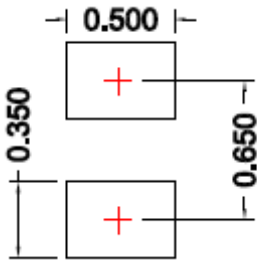
ESD7V0LB2

Outline Dimensions



COMMON DIMENSION (MM)			
PKG	DFN1006-2L		
REF.	MIN.	NOM.	MAX.
A	0.45	0.50	0.55
E	0.55	0.60	
b	0.20	0.25	
L	0.45	0.50	
e		0.650	
R	0.07	0.10	
X1	0.025	---	
Y1	0.025	---	
A1	0	---	
A3	0.119	---	

Recommended PCB Layout



Notes:

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

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 which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) for further assistance.