



Low Capacitance Bidirectional Micro Packaged TVS Diodes for ESD Protection



Features

- Peak Power Dissipation –200 W (8 x 20 us Waveform)
- Stand-off Voltage: 24 V
- Low capacitance (<36.0pF) for high-speed interfaces
- Protects I/O Port
- Low Clamping Voltage
- Low Leakage
- Low Capacitance
- Response Time is < 1 ns
- Meets MSL 1 Requirements
- ROHS compliant
- Solid-state Punch-Through TVS Process technology

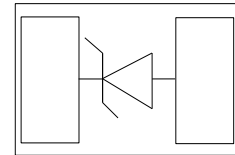
DFN1006



Main applications

- Serial and Parallel Ports
- Notebooks, Desktops, Servers
- Projection TV
- Cellular handsets and accessories
- Portable instrumentation
- Peripherals
- MP3 Players

PIN CONFIGURATION



Protection solution to meet

- IEC61000-4-2 (ESD) ±25kV (air), ±25kV (contact)
- IEC61000-4-5 (Lightning) 3A (8/20µs)

Marking : 24

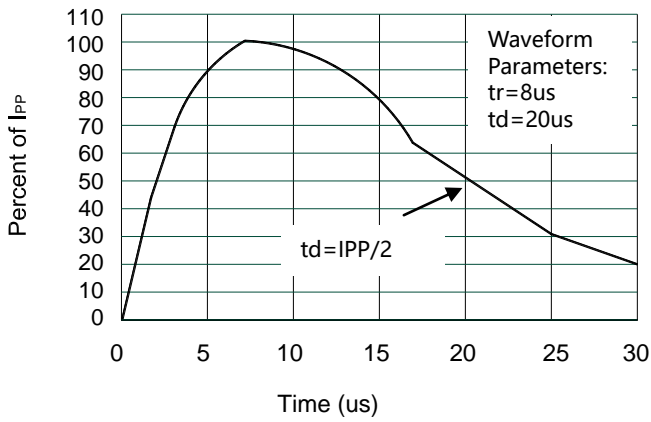
Ordering Information

Device	Qty per Reel	Reel Size
YSCLAMP2401P	10000 / Tape & Reel	7 Inch

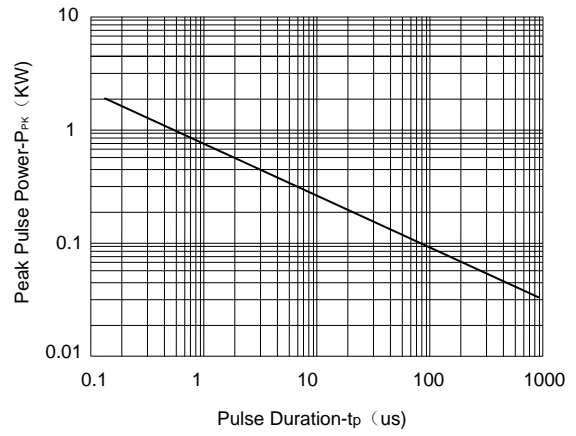
DEVICE CHARACTERISTICS

YSCLAMP2401P

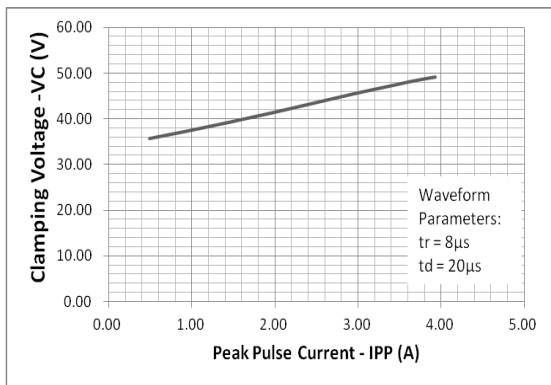
Typical electrical characterist applications



Pulse Waveform



Non-Repetitive Peak Pulse Power vs. Pulse Time



Clamping Voltage vs. Peak Pulse

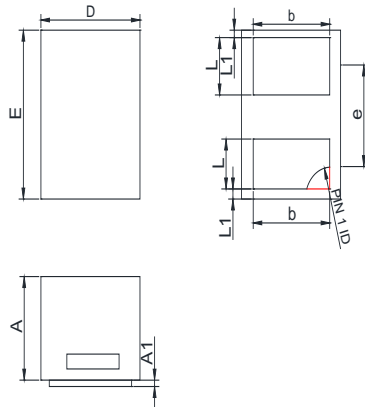
PACKAGE OUTLINE & DIMENSIONS

YSCLAMP2401P

Mechanical Data

Case:DFN1006

Case Material: Molded Plastic. UL Flammability



DIM	Millimeters	
	Min	Max
A	0.30	0.50
A1	0.00	0.05
D	0.55	0.65
E	0.95	1.05
b	0.25	0.60
e	0.65TYP	
L	0.15	0.35
L1	0.05REF	

Recommended Pad outline

