



ULTRA LOW CAPACITANCE TVS DIODE ARRAY

Features

- 150 Watts Peak Pulse Power per Line (tp=8/
- Protects one I/O line
- Low clamping voltage
- Working voltages: 15V
- Low leakage current
- IEC61000-4-4 (EFT) 40A (5/5%)
- IEC61000-4-5 (Lighting) 2 ~ 13A (8/20s)

Applications

- Cell Phone Handsets and Accessories
- Microprocessor based equipment
- Personal Digital Assistants (PDA's)
- Notebooks, Desktops, and Servers
- Portable Instrumentation
- Peripherals
- USB Interface

Dimensions DFN1610TN



Pin Configuration



Mechanical Characteristics

- DFN1610TN Package
- Molding Compound Flammability Rating : UL 94V-0
- Weight 3.5 Milligrams (Approximate)
- Quantity Per Reel : 3,000pcs
- Reel Size : 7 inch
- Lead Finish : Lead Free

Absolute Maximum Ratings (Tamb=25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Peak Pulse Power (8/20µs)	Ppp	150	W
ESD per IEC 61000-4-2 (Air)	VESD	±30	Kv
ESD per IEC 61000-4-2 (Contact)		±30	
Operating Temperature Range	TJ	-55 to +125	°C
Storage Temperature Range	TSTJ	-55 to +150	°C

Electrical Characteristics (TA=25°C unless otherwise specified)

Part Number	Device Marking	V _{RWM} (V)	V _{BR} (V)	I _T (mA)	V _C @1A	V _C		I _R μA (Max)	C (Pf) (Typ.)
						(Max)	(@A)		
ULC15CTN	CLC	15	16.7	1	23	35	4	1	0.6

Characteristic Curves

Figure 1. Power Detating

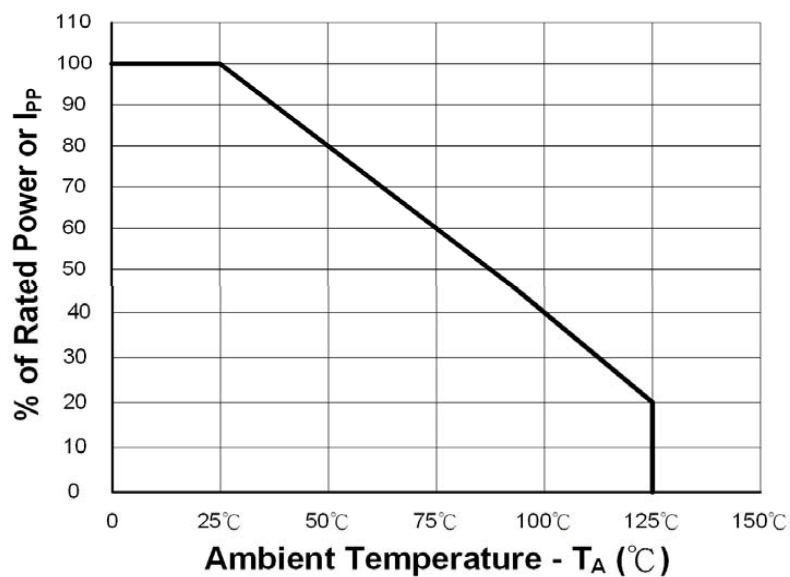
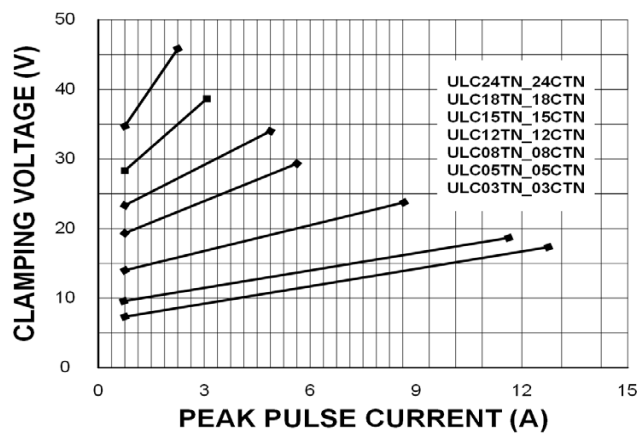
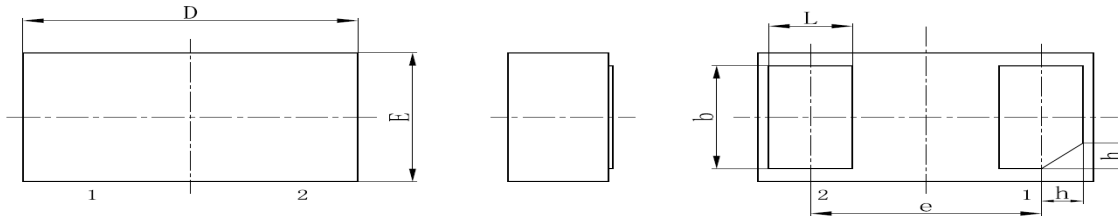


Figure 2. Clamping Voltage vs. Peak





DFN1610TN Package Outline Drawing



Suggested Land Pattern

SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	0.45	0.50	0.55
A1	—	0.02	0.05
b	0.75	0.80	0.85
c	0.10	0.15	0.20
D	1.55	1.60	1.65
e	1.10BSC		
E	0.95	1.00	1.05
L	0.35	0.40	0.45
h	0.15	0.20	0.25

Note:
Controlling dimensions are in millimeter (mm)