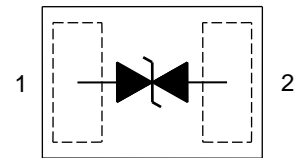


Features

- ◆ Ultra-low Capacitance 0.5pF
- ◆ Low Clamping Voltage
- ◆ Small Body Outline Dimensions: 0.039" x 0.024"
(1.0 mm x 0.60 mm)
- ◆ Low Body Height: 0.019" (0.5 mm)
- ◆ Stand-off Voltage: 5.0V
- ◆ Low Leakage
- ◆ Response Time is Typically < 1 ns
- ◆ IEC61000-4-2 Level 4 ESD Protection for data lines
- ◆ These are Pb-Free Devices

DFN1006-2L



Applications

- ◆ 10/100/1000 Mbits/s Ethernet
- ◆ FireWire
- ◆ Display ports
- ◆ MDDI ports
- ◆ Digital Visual Interface (DVI)
- ◆ Cellular handsets & accessories
- ◆ Computer and peripherals

Maximum Rating @ Ta=25°C unless otherwise specified

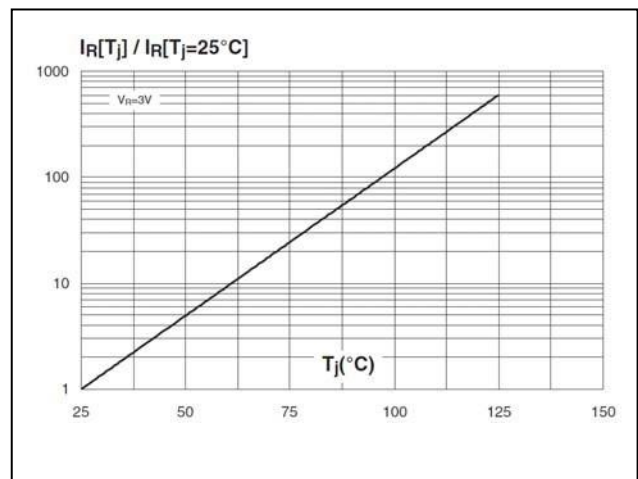
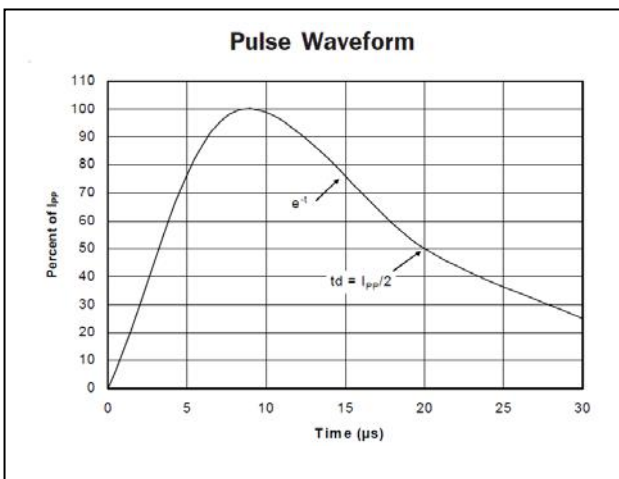
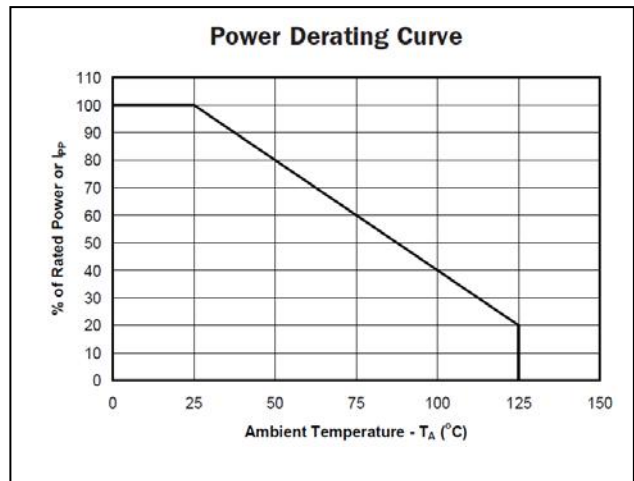
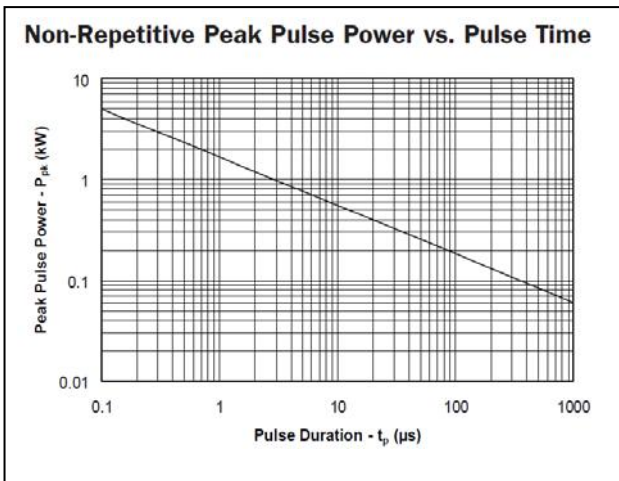
Symbol	Parameter	Ratings	Units
ESD	IEC 61000-4-2 (HBM-ESD)	Contact	8
		Air	15
T _L	Lead Soldering Temperature	260(10sec.)	°C
T _J	Operating Temperature	-55 to +125	°C
T _{STG}	Storage Temperature	-55 to +150	°C

TVS Diode Array

Electrical Characteristics @ Ta=25°C unless otherwise

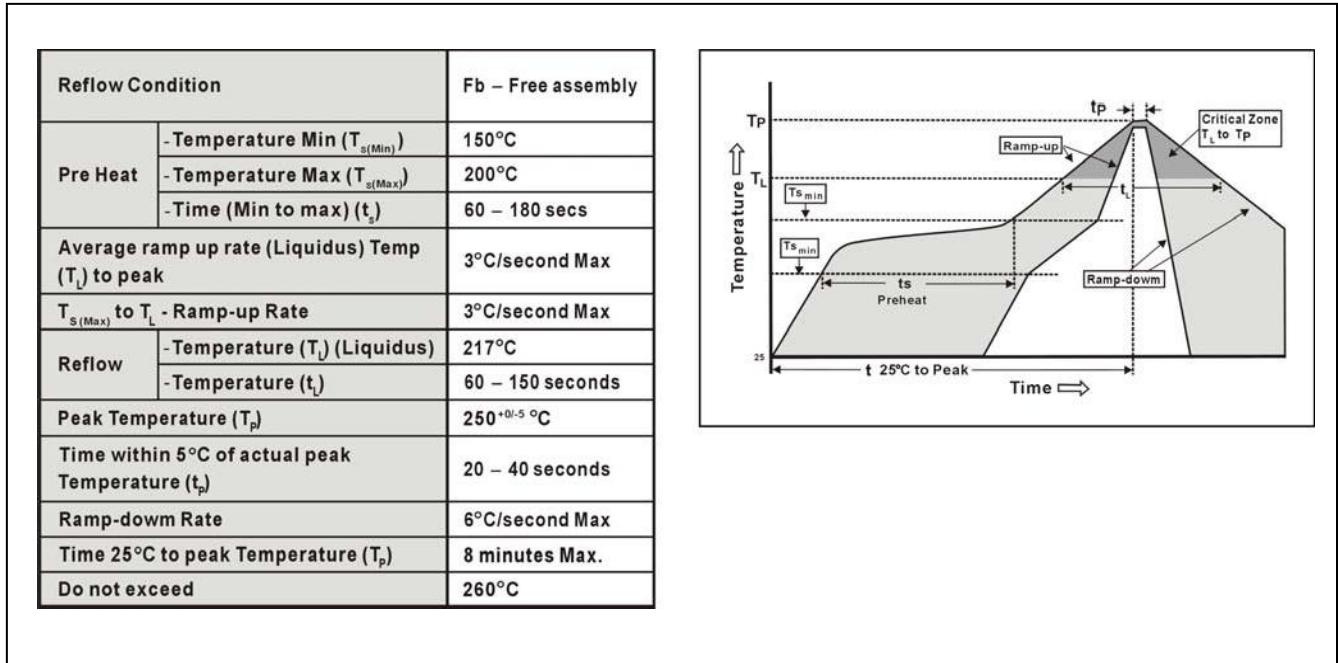
Parameter	VRWM @IR		VBR@ImA	VC@1A	VC@IPP		CJ
	V	μA	V	V	V	A	pF
		MAX	MIN	MAX	MAX		MAX
RCLAMP0531T	5	0.5	6.3	11	16	3	0.5

Typical Characteristics @ Ta=25°C unless otherwise specified



TVS Diode Array

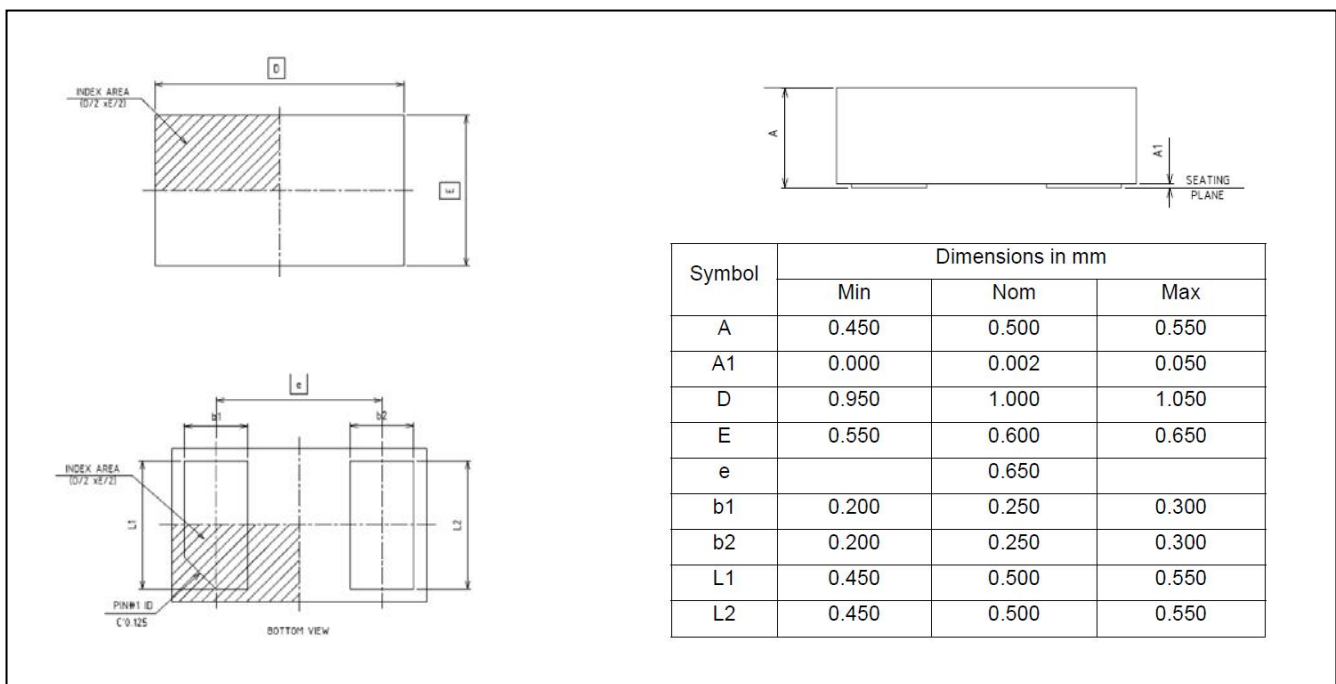
Soldering Parameters



Package Outline

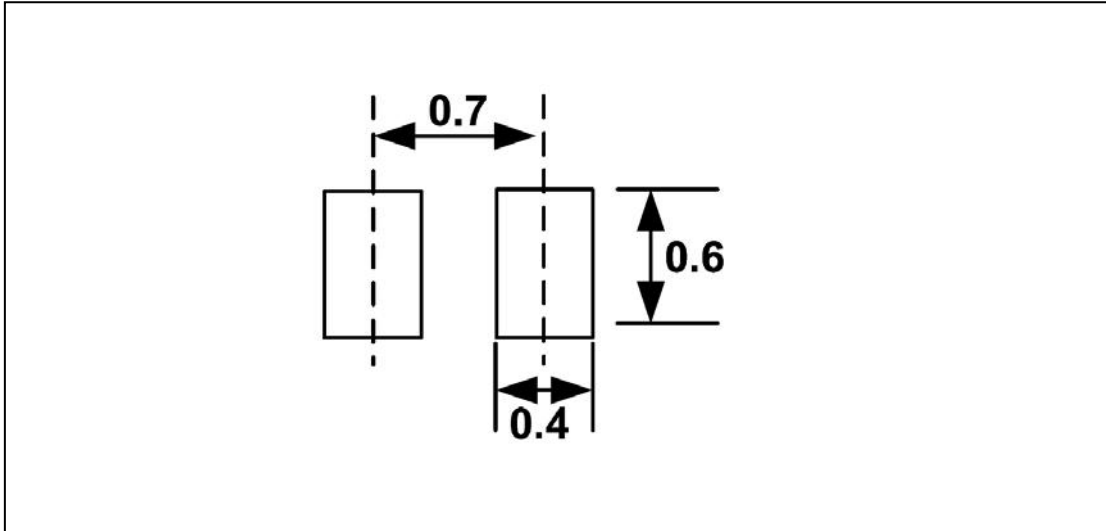
Plastic surface mounted package

DFN1006-2L



TVS Diode Array

Soldering Footprint



Package And Marking Information

Device	Package	Shipping	Reel Size
RCLAMP0531T	DFN1006-2L	10K/Reel	7 inch