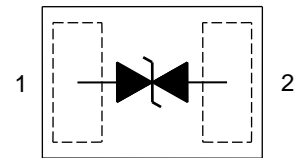


Features

- ◆ low Capacitance 10pF
- ◆ 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

DF1006



Applications

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

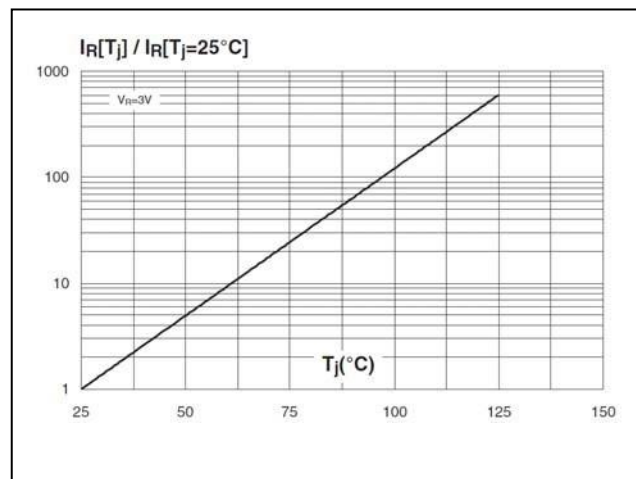
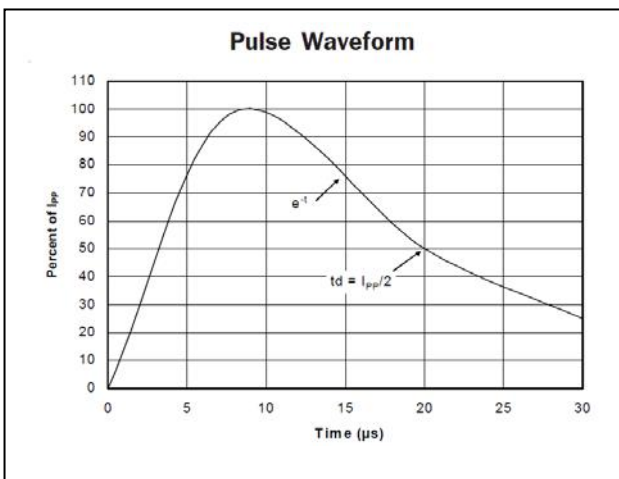
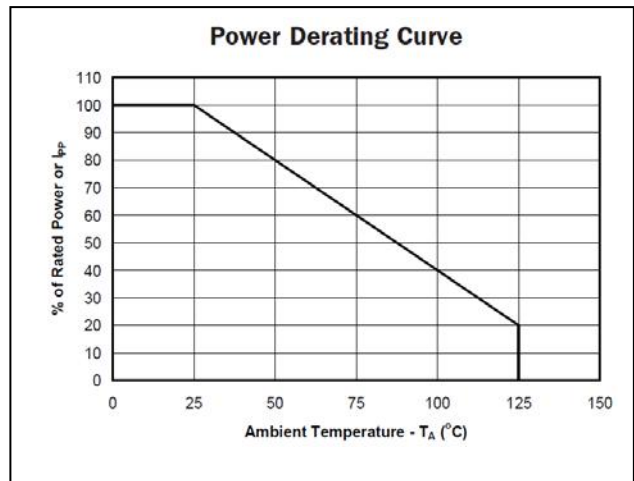
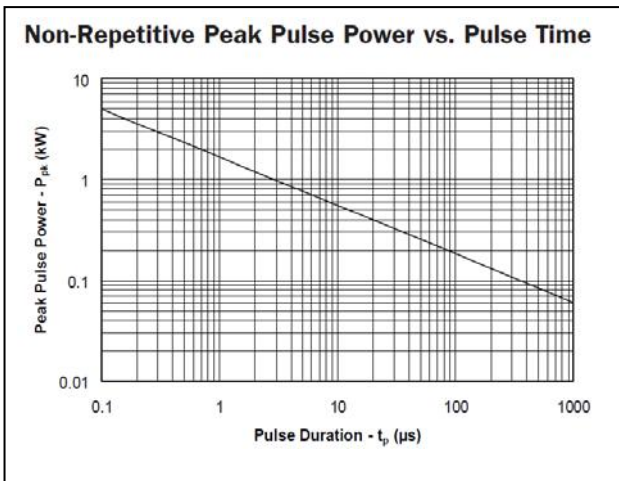
Maximum Rating @ Ta=25°C unless otherwise specified

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

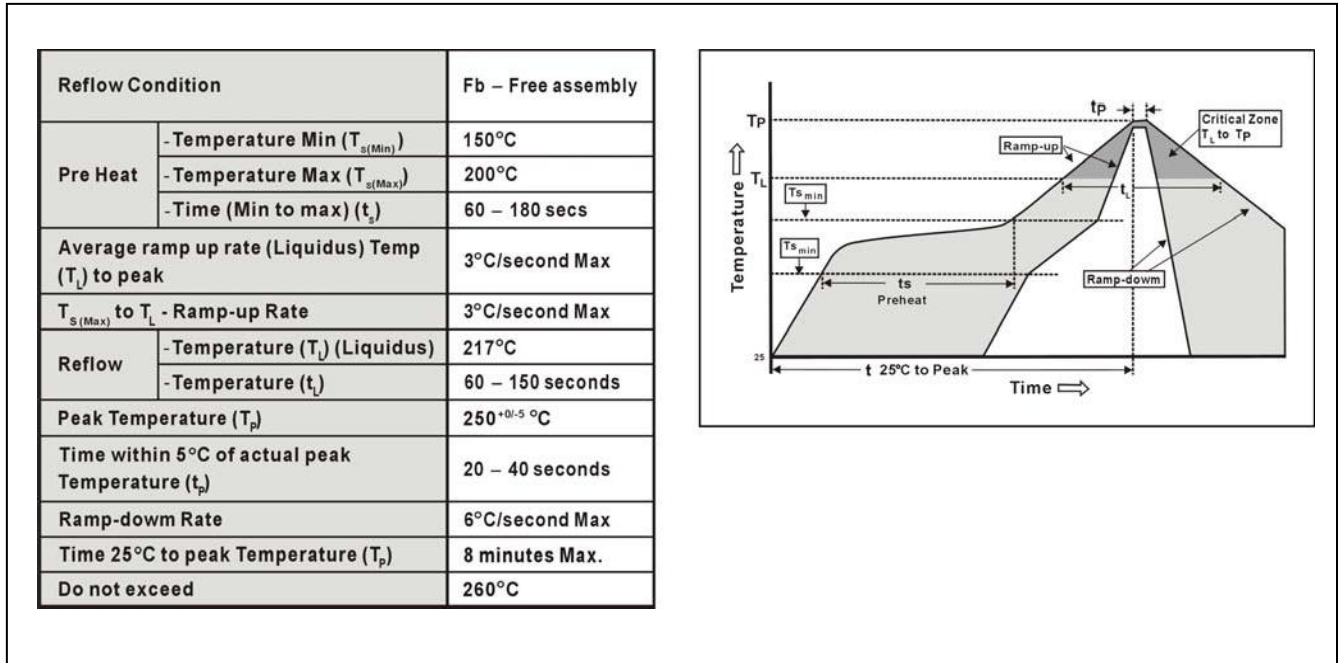
Electrical Characteristics @ Ta=25°C unless otherwise

Parameter	VRWM @IR		VBR@ImA	VC@1A	VC@IPP		CJ
	V	μA	V	V	V	A	pF
		MAX	MIN	MAX	MAX		TYP
ESD5451X	5	1	5.8	11	15	5	10

Typical Characteristics @ Ta=25°C unless otherwise specified



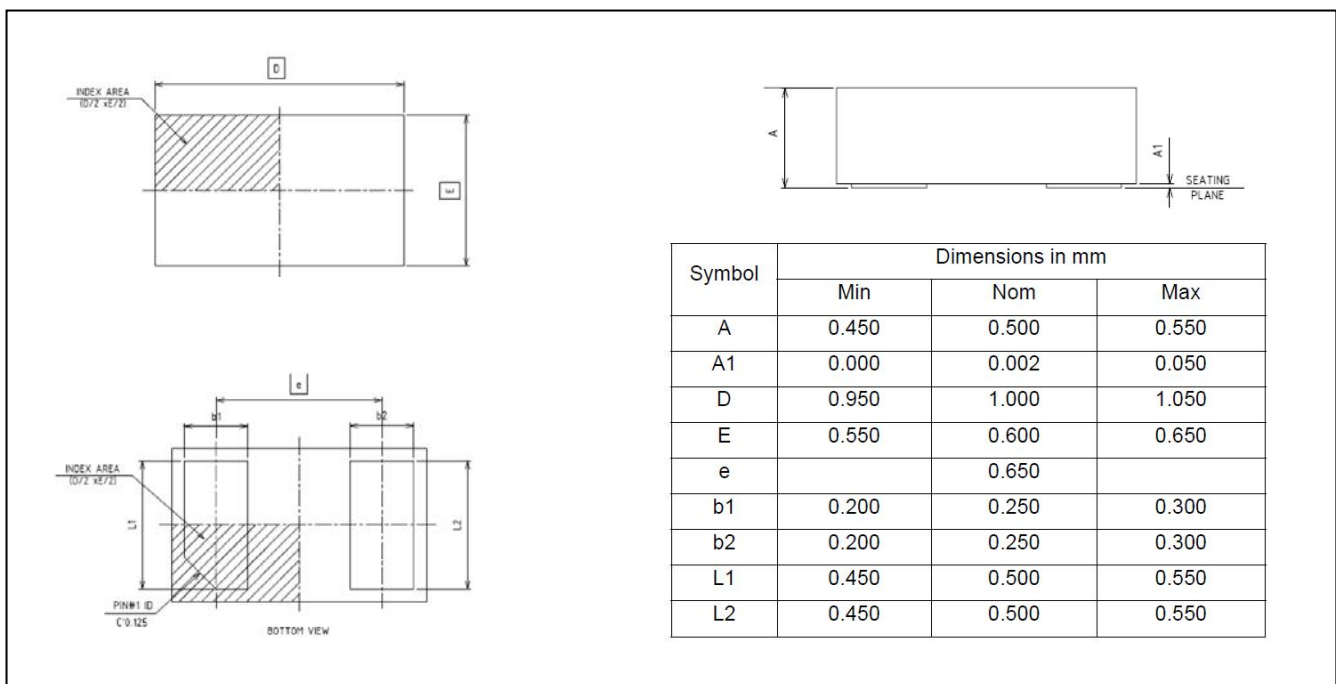
Soldering Parameters



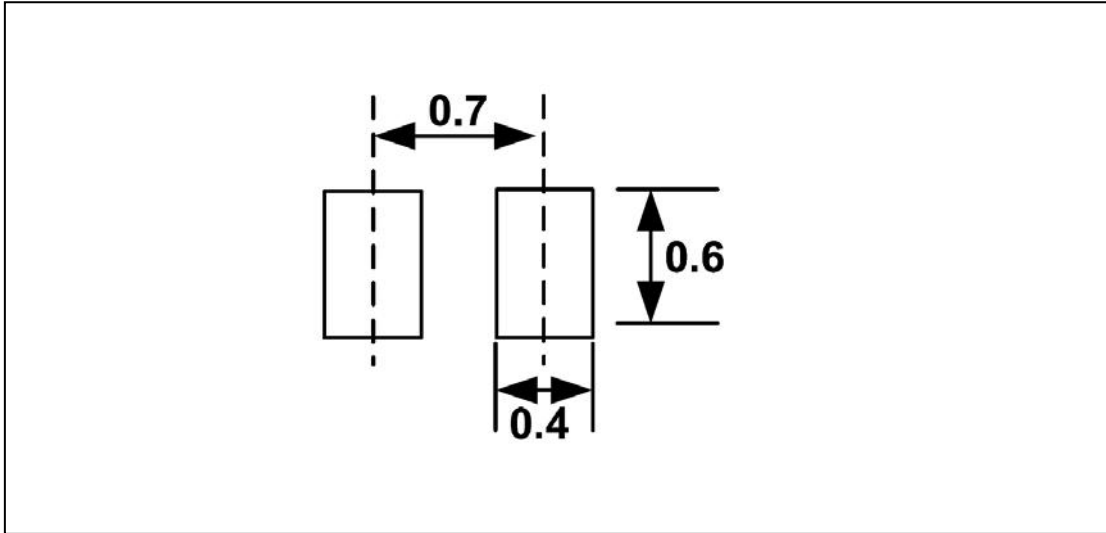
Package Outline

Plastic surface mounted package

DFN 1006-2L



Soldering Footprint



Package And Marking Information

Device	Package	Shipping	Reel Size
ESD5451X	DFN1006-2L	10K/Reel	7 inch