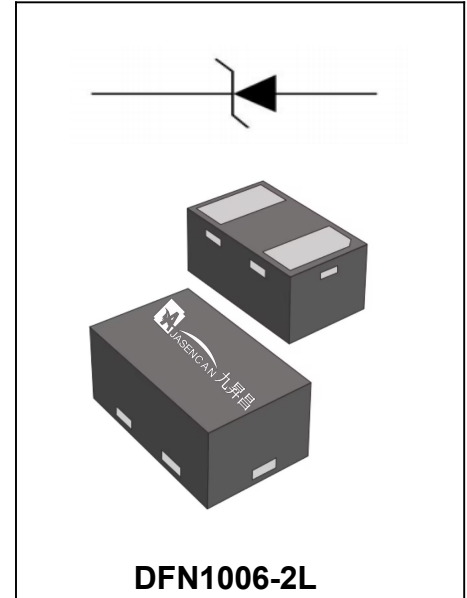


Features

- ◆ Small Body Outline Dimensions: 0.039" x 0.024" (1.0 mm x 0.60 mm)
- ◆ IEC61000-4-2 Level 4 ESD Protection for data lines
- ◆ These are Pb-Free Devices
- ◆ Reverse Working Voltage;VRWM=5V



Applications

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

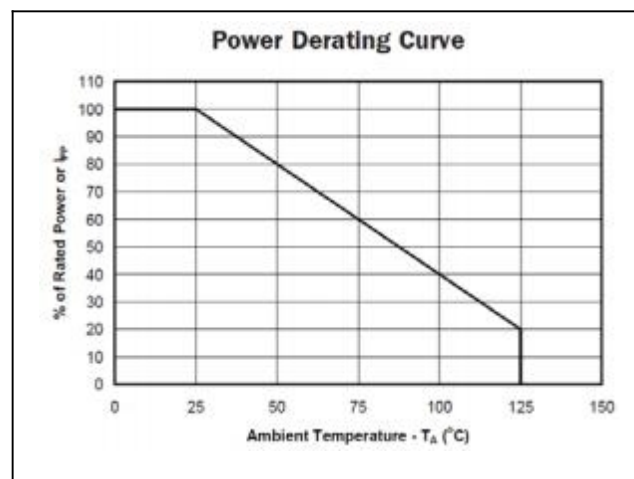
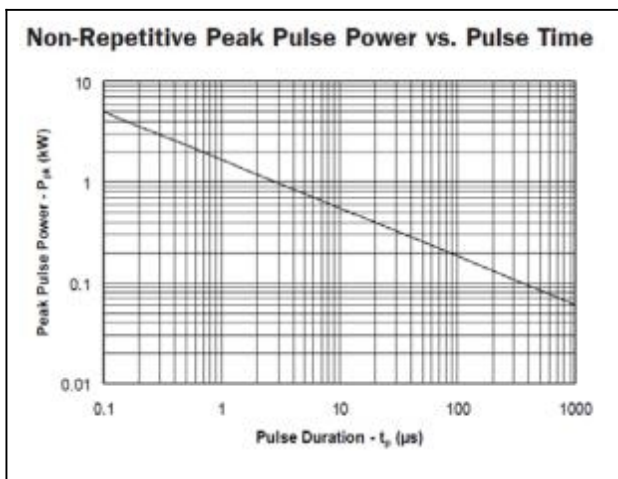
Maximum Rating @ Ta=25°C unless otherwise specified

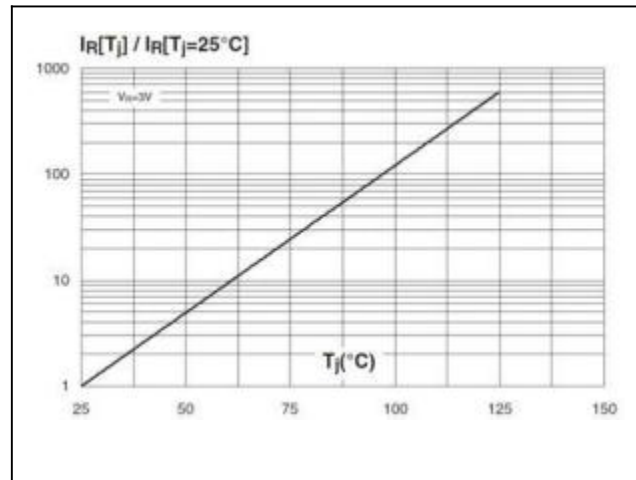
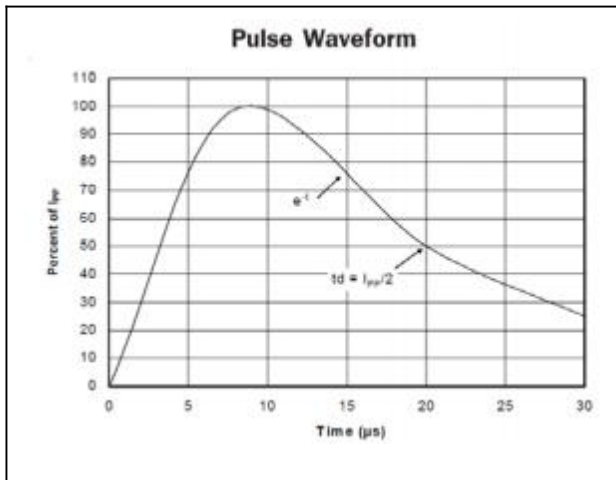
Symbol	Parameter	Ratings	Units
ESD	IEC 61000-4-2 (HBM-ESD)	Contact	30
		Air	30
T _L	Lead Soldering Temperature	260(10sec.)	°C
T _J	Operating Temperature	-55 to +150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics@ Ta=25°C unless otherwise

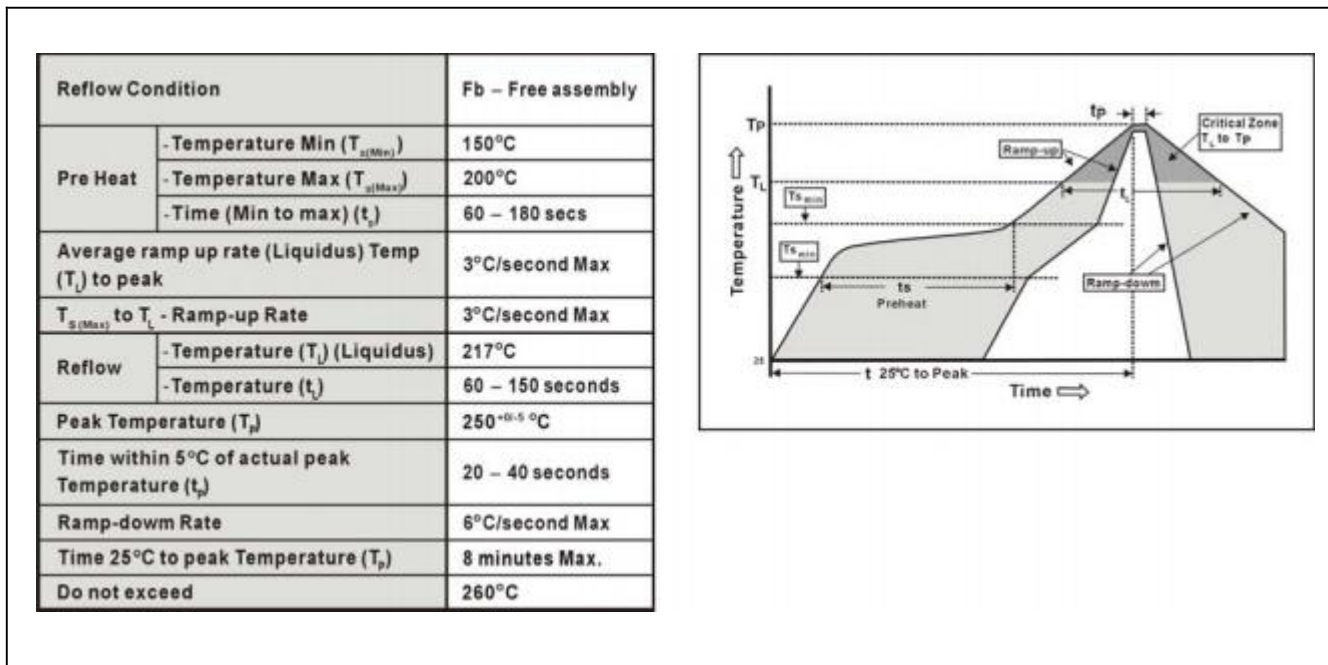
Symbol	Parameter	Conditions	Min.	Typ.	Max.	Units
V _F	Forward Voltage	I _F =10mA		0.8		V
V _{BR}	Reverse Breakdown Voltage	I _T = 1mA,	6	6.6	8	V
I _R	Reverse Leakage Current	V _{RWM} = 5V			1	μA
V _C	Clamping Voltage	I _{PP} = 1A, t _p =8/20μs		7	9	V
		I _{PP} =20A, t _p =8/20μs		11	13	V
C _J	Junction Capacitance	V _R = 0V, f = 1MHz		133	140	pF

Typical Characteristics@ Ta=25°C unless otherwise specified





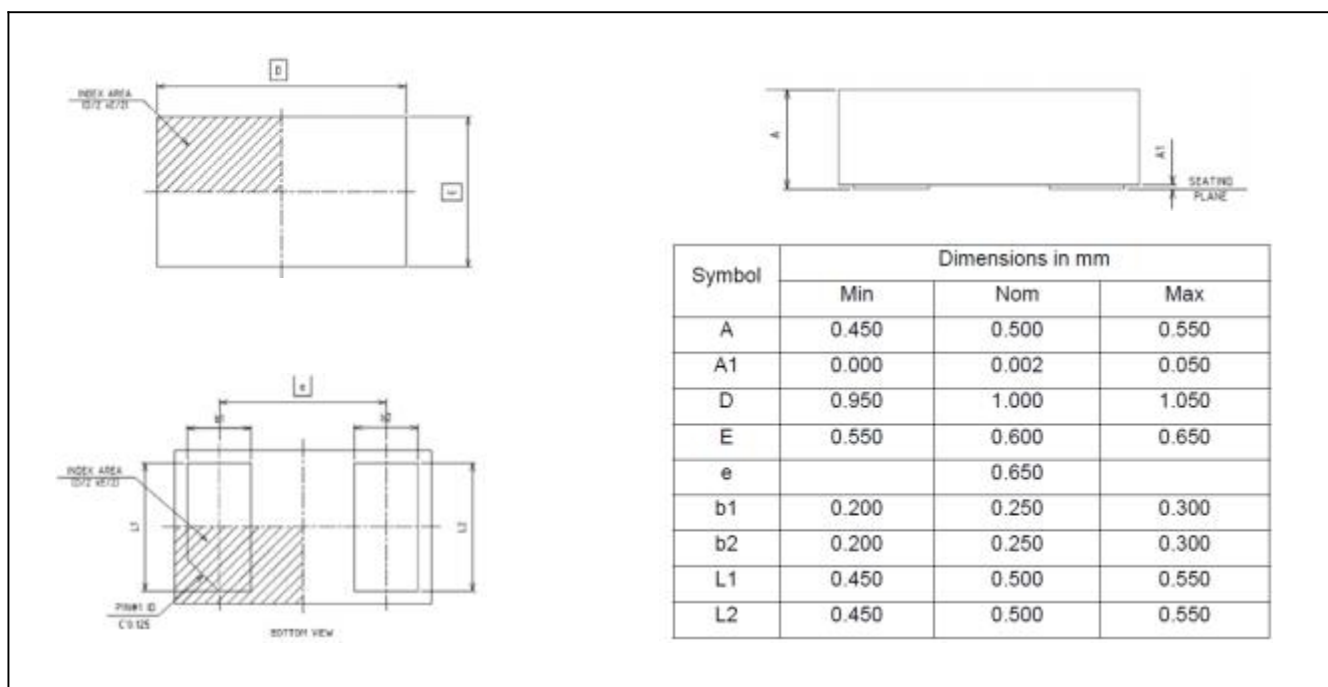
Soldering Parameters



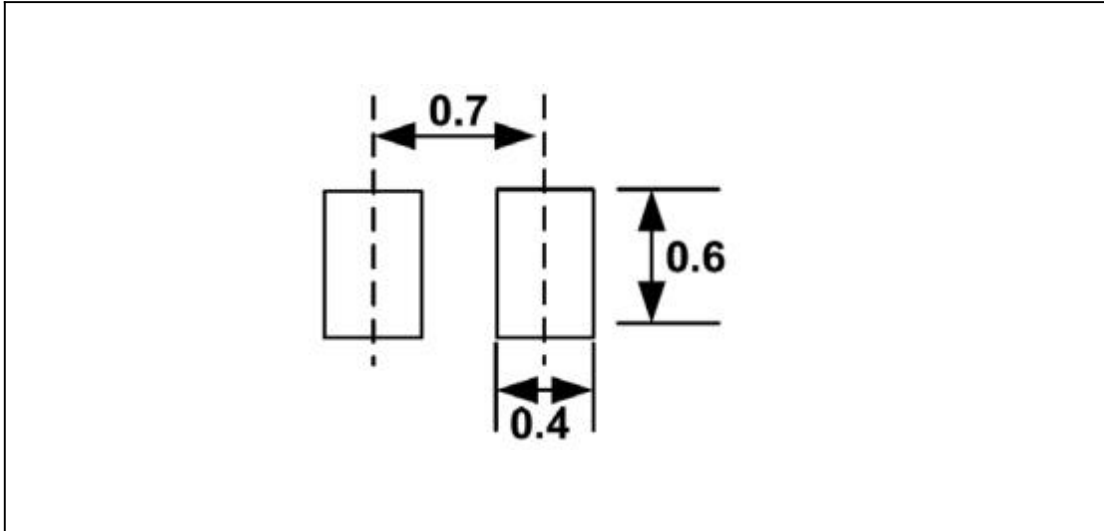
Package Outline

Plastic surface mounted package

DFN 1006-2L



Soldering Footprint



Package And Marking Information

Device	Package	Shipping	Reel Size
JS2A051V20	DFN1006-2L	10K/Reel	7 inch