

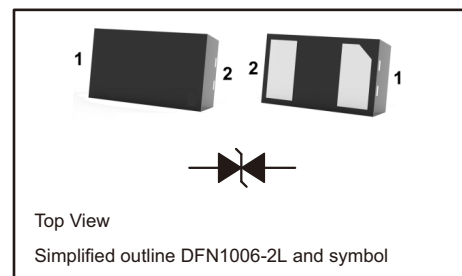
Low Capacitance TVS

Features

- Low junction capacitance
- Working voltage: 36 V
- Low clamping voltage
- 2-pins leadless package
- RoHS Compliant

Applications

- Cellular Handsets and Accessories
- Personal Digital Assistants
- Notebooks and Handhelds
- Portable Instrumentation, Digital Cameras
- Peripherals, Audio Players, Industrial Equipment



Mechanical Characteristics

- Package: DFN1006-2L
- Case Material: "Green" Molding Compound.
- UL Flammability Classification Rating 94V-0

MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak Pulse Power (tp=8/20us)	P _{pp}	300	W
PeakPulseCurrent(8/20μs)	I _{pp}	4	A
IEC 61000-4-2 (Contact Discharge)	V _{ESD}	±30	kV
IEC 61000-4-2 (Air Discharge)		±30	kV
Operating Junction Temperature Range	T _j	-55 to 125	°C
Storage Temperature Range	T _{STG}	-55 to 150	°C

ELECTRICAL CHARACTERISTICS(Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	min	typ	max	Unit
Reverse Standoff Voltage	V _{RWM}				36.0	V
Reverse voltage	V _{BR}	I _R =1mA	38.0			V
Reverse current	I _R	V _R =36V			0.05	μA
Clamp Voltage	V _C	I _{PP} =1A, tp=8/20us, Fwd			50.0	V
		I _{PP} =4A, tp=8/20us, Fwd			75.0	V
Typical Junction Capacitance	C _j	V _R =0V, f=1MHz			20	pF

Fig.1 Power Derating Curve

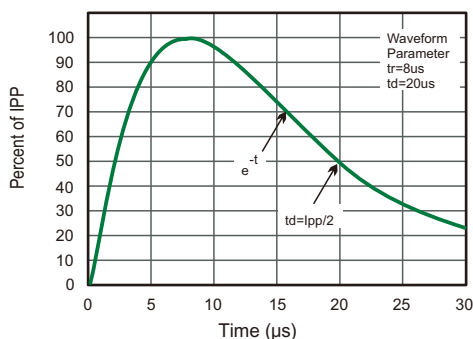
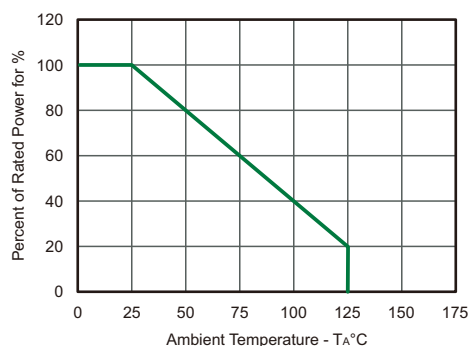
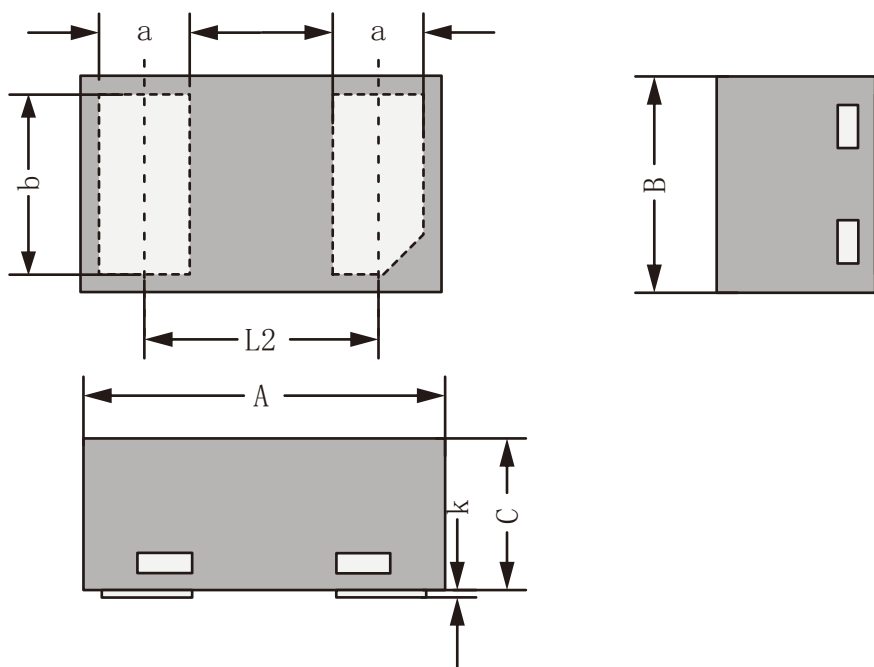


Fig.1 Power Derating Curve





DFN1006-2L Package Outline Dimensions



DFN1006-2L mechanical data

UNIT		A	B	C	L2	a	b	k
mm	max	1.05	0.65	0.55	0.65 REF	0.29	0.54	0.03
	min	0.95	0.55	0.45		0.21	0.46	0.00
mil	max	41.34	25.59	21.65	25.59 REF	11.42	21.26	55.12
	min	37.40	21.65	17.72		8.27	18.11	1.18



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