

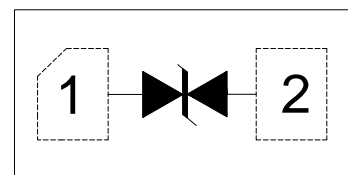


150W peak pulse power per line($t_P=8/20\mu s$)
 Protects one bi-directional I/O line
 Response time is typically $<1ns$
 Low clamping voltage
 Low leakage current
 RoHS compliant



DFN1006-2L(Bottom view)

Cellular phones
 Portable devices
 Digital cameras
 Power supplies



Pin Configuration(Top view)

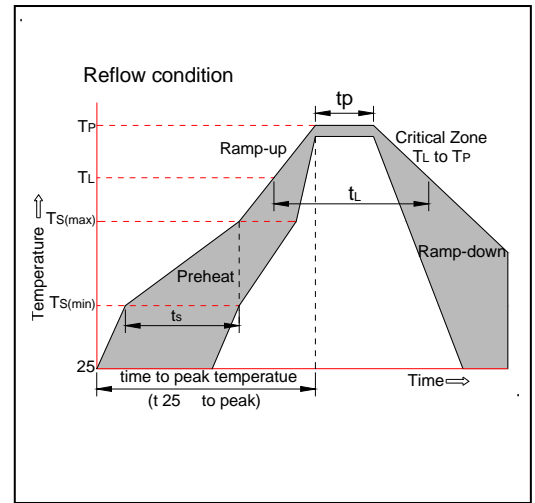
IEC61000-4-2 (ESD) $\pm 30kV$ (air), $\pm 30kV$ (contact)
 IEC61000-4-4 (EFT) 40A (5/50ns)
 IEC61000-4-5 (Lightning) 5A (8/20 μs)

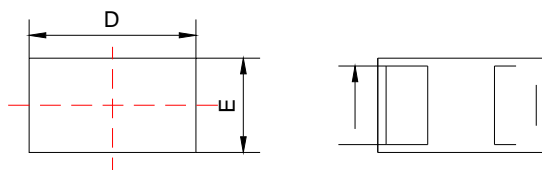
DFN1006-2L package
 Molding compound flammability rating: UL 94V-0
 Quantity per reel: 10,000pcs
 Lead finish: lead free
 Marking code: 18D

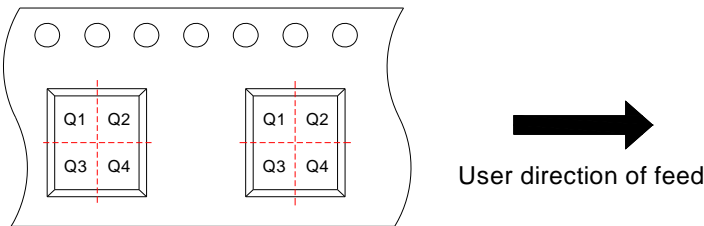
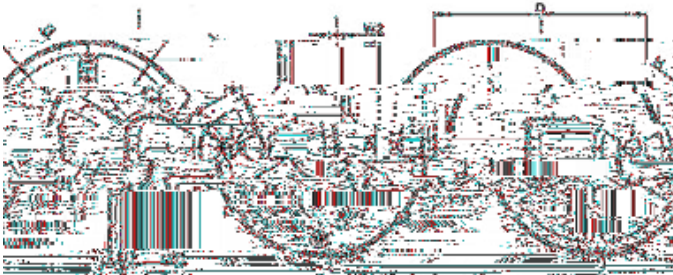
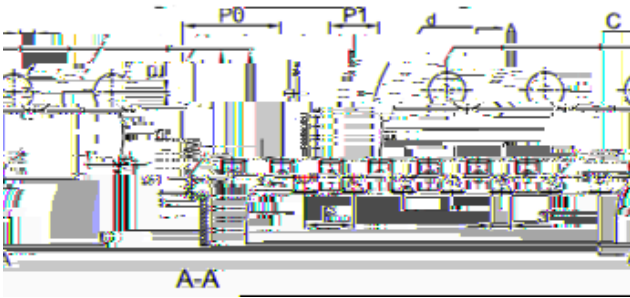
($T_A=25$, RH=45%-75%, unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak pulse power dissipation at 8/20 μs waveform	P_{PP}	150	W
ESD per IEC 61000-4-2 (Air)	V_{ESD}	+/- 30	kV
ESD per IEC 61000-4-2 (Contact)		+/- 30	
Lead soldering temperature	T_L	260 (10 sec.)	
Operating junction temperature range	T_J	-55 to +125	
Storage temperature range	T_{STG}	-55 to +150	

Reflow Condition		Pb-Free assembly (see figure at right)
Pre Heat	-Temperature Min ($T_{s(min)}$)	+150
	-Temperature Max($T_{s(max)}$)	+200
	-Time (Min to Max) (ts)	60-180 secs.
Average ramp up rate (Liquidus Temp (T_L)to peak)		3 /sec. Max
$T_{s(max)}$ to T_L - Ramp-up Rate		3 /sec. Max
Reflow	-Temperature(T_L)(Liquidus)	+217
	-Temperature(t_L)	60-150 secs.
Peak Temp (T_P)		+260(+0/-5)
Time within 5 of actual Peak Temp (t_p)		20-40secs.
Ramp-down Rate		6 /sec. Max
Time 25 to Peak Temp (T_P)		8 min. Max
Do not exceed		+260







Pin 1 quadrant:Q1&Q2

Packaging Description:

DFN1006-2L parts are shipped in tape. The carrier tape is made from a dissipative(carbon filled) polycarbonate resin. The cover tape is a multilayer film(heat activated adhesive in nature)primarily composed of polyester film, adhesive layer, sealant, and anti-static sprayed agent. These reeled parts in standard option are shipped with 10,000units per 7" or 17.8cm diameter reel. The reels are clear in color and made of polystyrene plastic(anti-static coated).

Symbol	Millimeters	Inches
	Typ.	Typ.
a	0.66	0.026
B	1.15	0.045
C	0.66	0.026
d	1.50	0.059
E	1.75	0.069
F	3.50	0.138
P0	4.00	0.157
P	2.00	0.079
P1	2.00	0.079
W	8.00	0.315
D	178	7.008
D1	54.40	2.142
D2	13.00	0.512
G	R78.00	R3.071
H	R25.60	R1.008
I	R6.50	R0.256
W1	9.50	0.374
W2	12.30	0.484

PART No.	PACKAGE TYPE	QUANTITY(PCS) REEL	DESCRIPTION
JEB18DF	DFN1006-2L	10,000	7 inch reel pack

Part Number	Marking Code	
JEB18DF	<table border="1"><tr><td data-bbox="842 322 1091 479">18D</td></tr></table>	18D
18D		


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