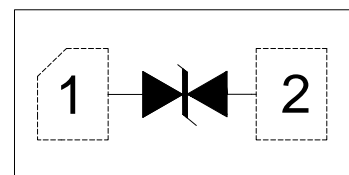


DFN1006-2L(Bottom view)



Pin Configuration(Top view)

- ✧ IEC61000-4-2 (ESD) ±30kV (air), ±30kV (contact)
- ✧ IEC61000-4-4 (EFT) 40A (5/50ns)
- ✧ IEC61000-4-5 (Lightning) 7A (8/20µs)

- ✧ DFN1006-2L package
- ✧ Molding compound flammability rating: UL 94V-0
- ✧ Quantity per reel: 10,000pcs
- ✧ Lead finish: lead free
- ✧ Marking code: 3B

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

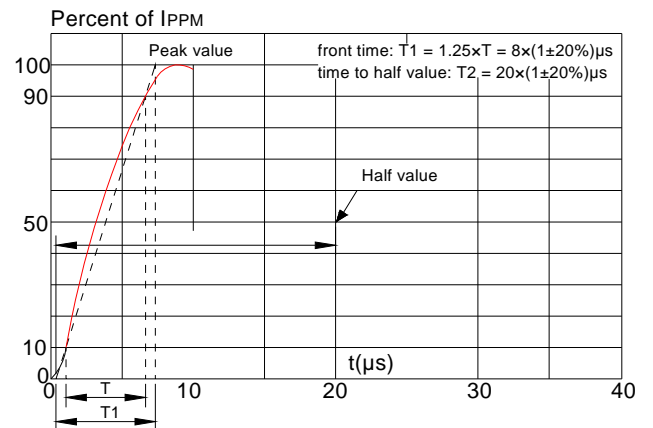
DUfUa YhYf'	Gma Vc''	JU' iY'	I b]h'
Peak pulse power dissipation at 8/20µs waveform	P _{PP}	80	W
ESD per IEC 61000-4-2 (Air)	V _{ESD}	+/- 30	kV
ESD per IEC 61000-4-2 (Contact)		+/- 30	
Lead soldering temperature	T _L	260 (10 sec.)	
Operating junction temperature range	T _J	-55 to +125	
Storage temperature range	T _{STG}	-55 to +150	

($T_A=25$)

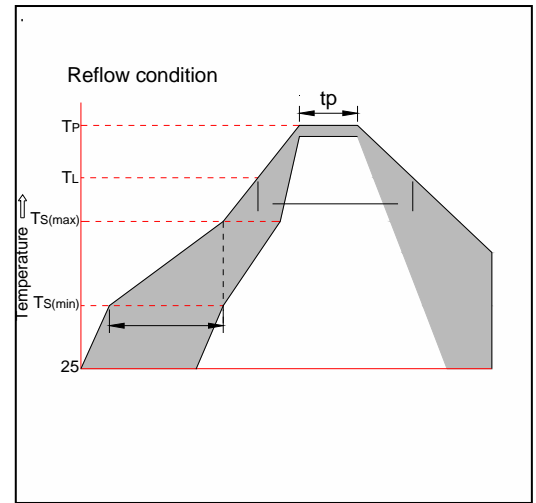
DUFU a YhYf'	Gma Vc''	7cbX h]cbg'	A]b'	Hmd'	AUI'	I b]h'
Reverse working voltage	V_{RWM}				3.3	V
Reverse breakdown voltage	V_{BR}	$I_T=1mA$	3.6			V
Reverse holding voltage	V_H	$I_H=50mA$	3.5			V
Reverse leakage current	I_R	$V_{RWM}=3.3V$			1.0	μA
Peak pulse current	I_{PP}	$t_P=8/20\mu s$			7	A
Clamping voltage	V_C	$I_{PP}=7A, t_P=8/20\mu s$		9	12	V
Junction capacitance	C_J	$V_{RWM}=0V, f=1MHz$		15	20	pF

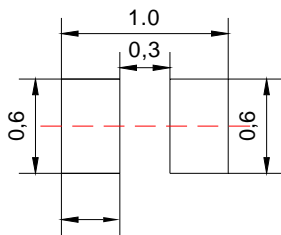
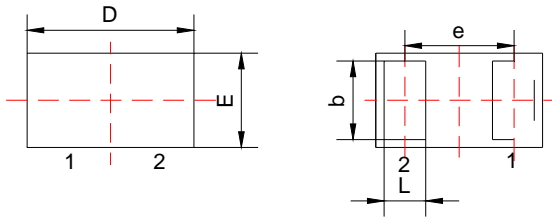
($T_A=25$, unless otherwise noted)

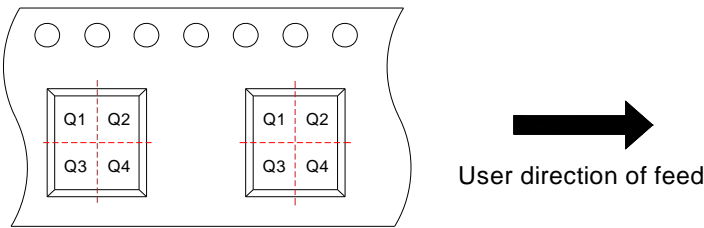
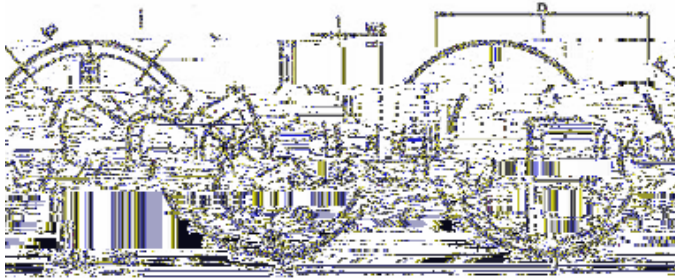
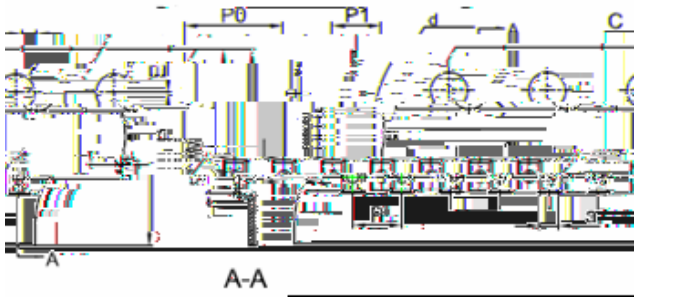
::; "&.Di`gY'kUjYZcf a' (8/20 μs)



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).

Gm a Vc''	Aj'' a YhYfg'	=bW\Yg'
	Hmd''	Hmd''
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
JEB03DF	DFN1006-2L	10,000	7 inch reel pack

Part Number	Marking Code
JEB03DF	<div style="border: 1px solid black; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> 3B </div>


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