



**/ Absolute Maximum Ratings**

Parameter	Symbol	Rating	Unit
Peak pulse power ( $t_p = 8/20\mu s$ )	$P_K$	69	W
Peak pulse current ( $t_p = 8/20\mu s$ )	$I_{PP}$	5.5	A
ESD according to IEC61000-4-2 air discharge	$V_{ESD}$	$\pm 30$	KV
ESD according to IEC61000-4-2 contact discharge		$\pm 30$	
Junction temperature	$T_J$	150	
Storage temperature	$T_{STG}$	-55~+150	

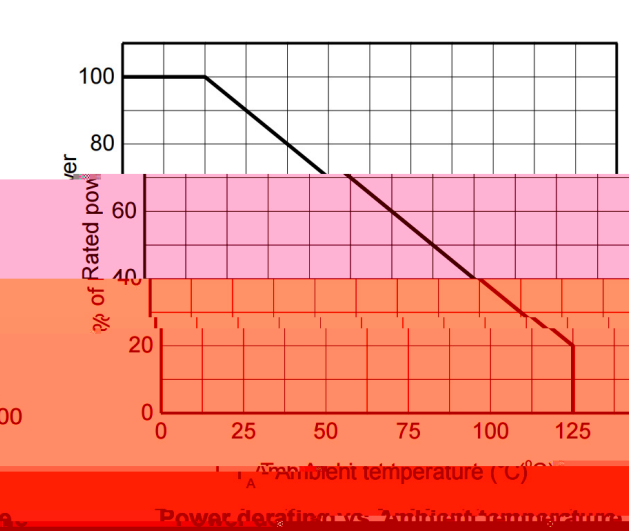
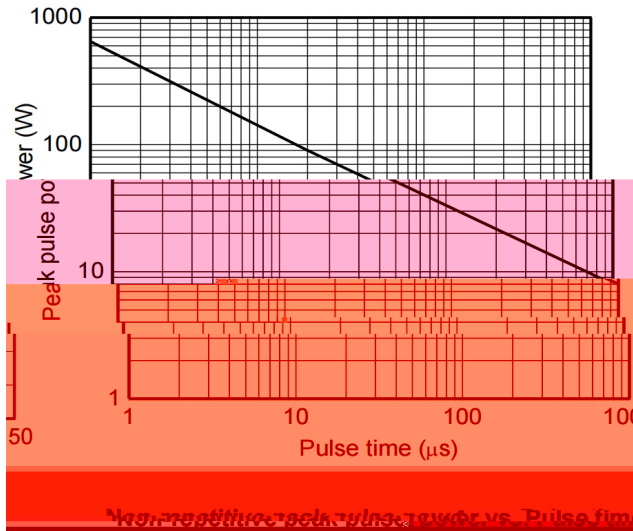
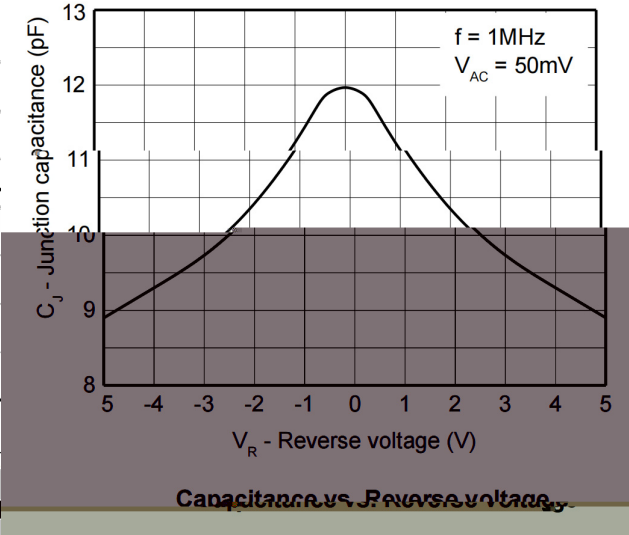
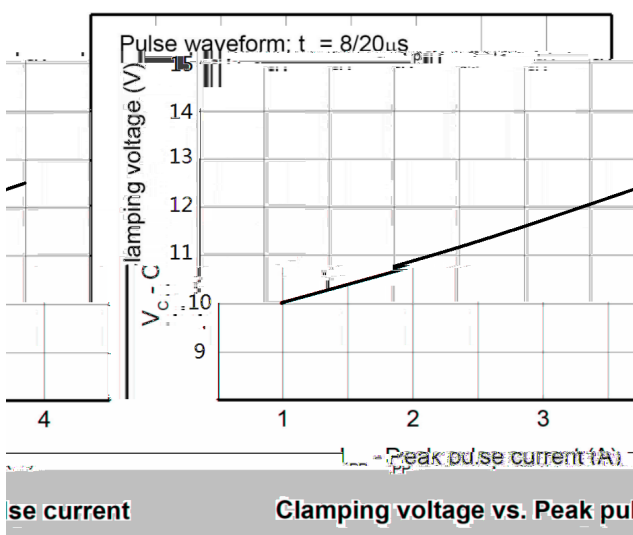
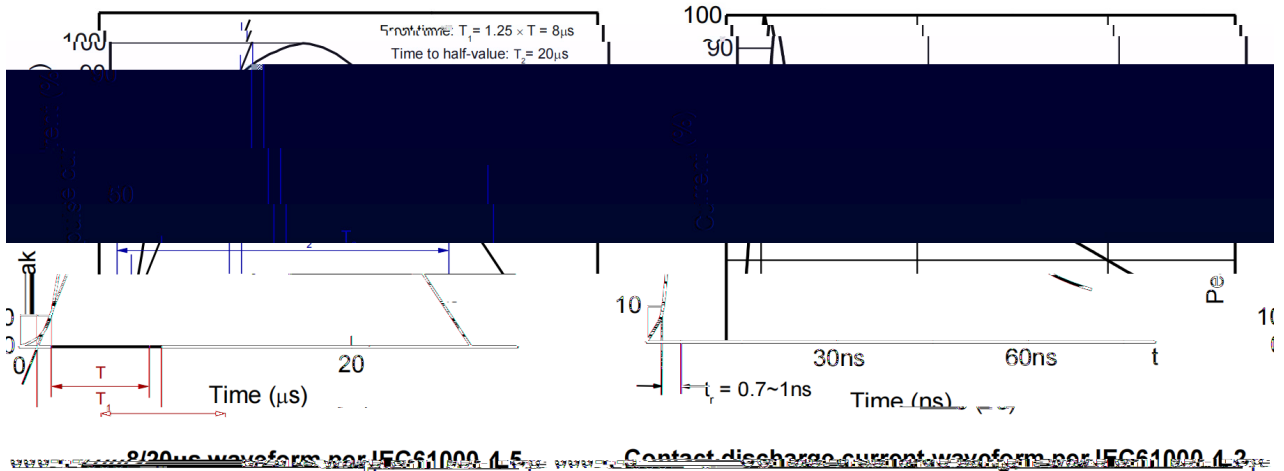
**/ Electrical Characteristics(Ta=25 )**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	$V_{RWM}$				3.3	V
Reverse leakage current	$I_R$	$V_{RWM} = \pm 3.3V$			$\pm 0.1$	$\mu A$
Reverse breakdown voltage <sup>1)</sup>	$V_{BR}$	$I_T = 1mA$	5.0		6.8	V
Clamping voltage <sup>2)</sup>	$V_C$	$I_{PP} = 1A \quad t_p = 8/20\mu s$			9.8	V
		$I_{PP} = 5.5A \quad t_p = 8/20\mu s$			12.5	V
Junction capacitance	$C_J$	$V_R = 0V \quad f = 1MHz$			15	pF

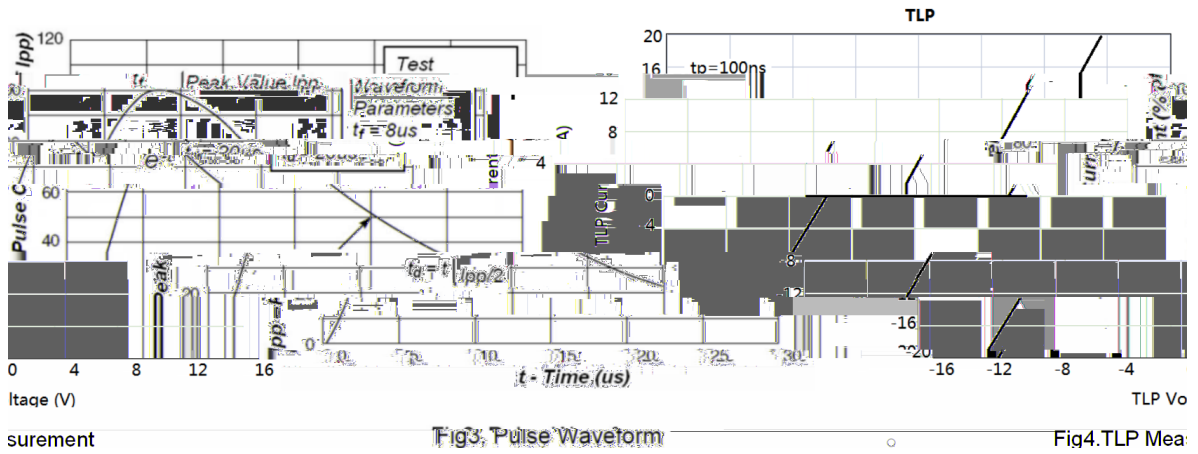
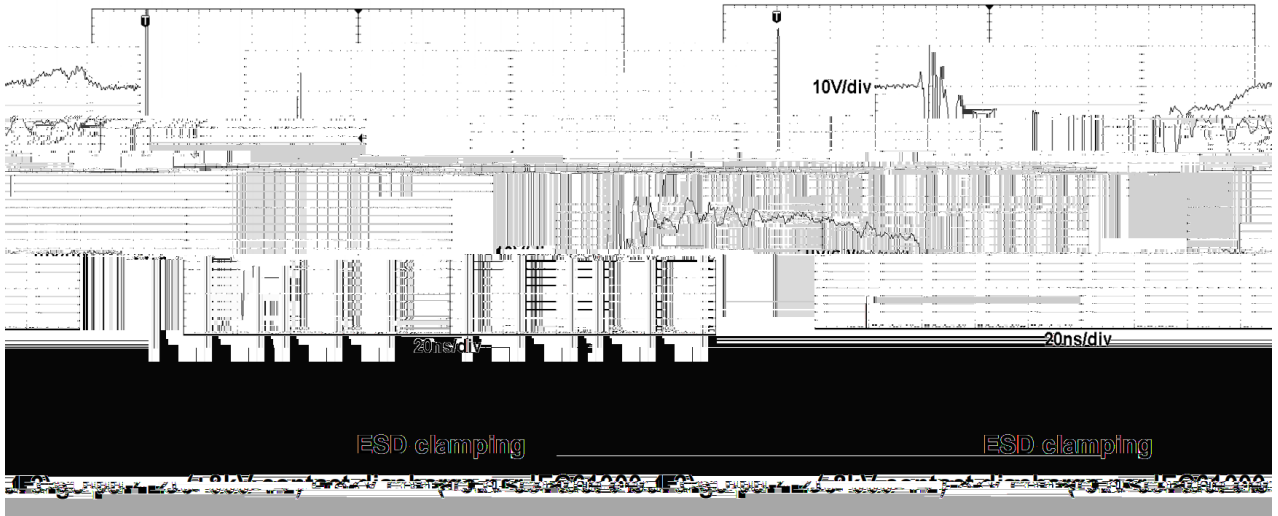
Notes:

- 1)  $V_{BR}$  is measured with a pulse test current  $I_T$  at an ambient temperature of 25 .
- 2) Non-repetitive current pulse, according to IEC61000-4-5.

**/ Electrical Characteristic Curve**



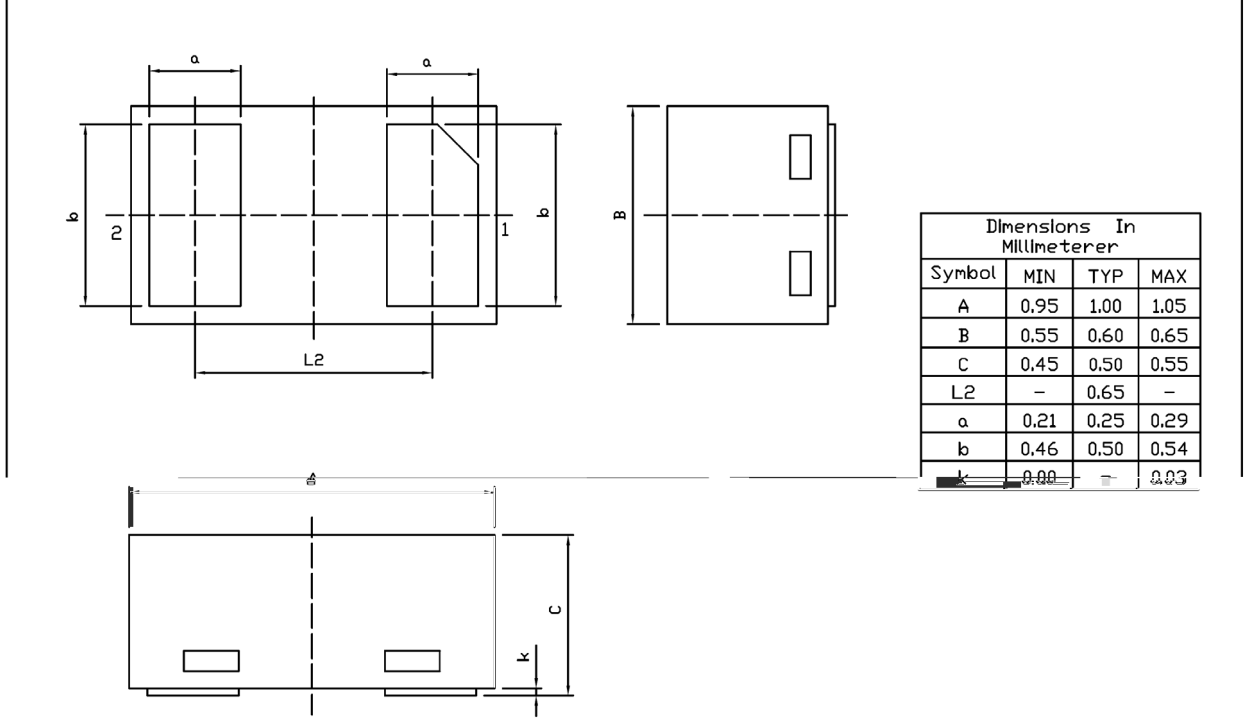
/ Electrical Characteristic Curve



**/ Package Dimensions**

DFN1006-2L

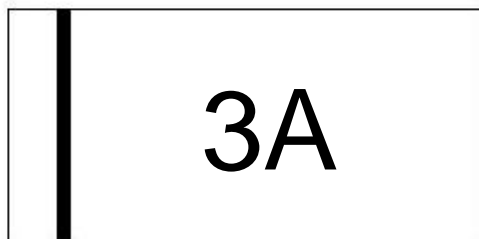
Unit:mm



Dimensions In Millimeter			
Symbol	MIN	TYP	MAX
A	0.95	1.00	1.05
B	0.55	0.60	0.65
C	0.45	0.50	0.55
L2	-	0.65	-
a	0.21	0.25	0.29
b	0.46	0.50	0.54
k	0.00	-	0.03

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/ Marking Instructions

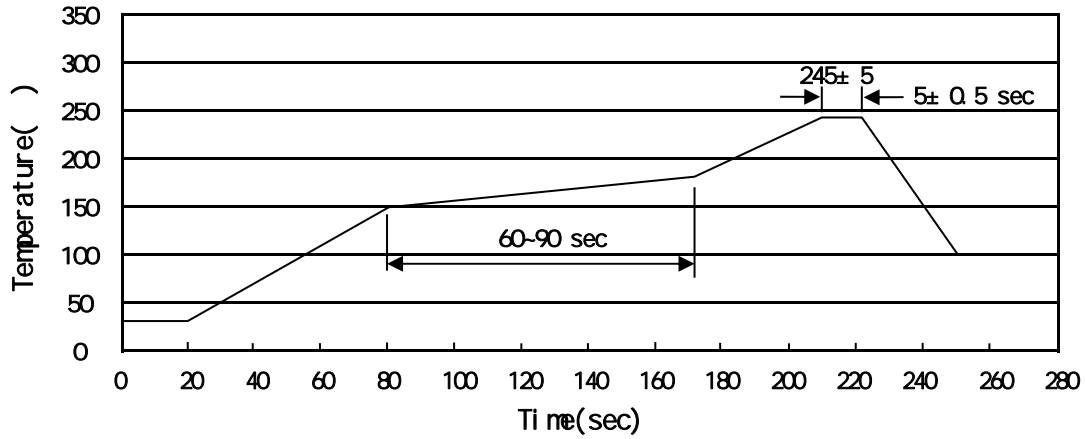


3A

Note

3A            Product Type Code

**( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)**



Note:

- 1            150 ~ 180            60 ~ 90sec;            1.Preheating:150~180 , Time:60~90sec.
- 2            245±5                            5±0.5sec;            2.Peak Temp.:245±5 , Duration:5±0.5sec.
- 3                                    2 ~ 10 /sec.            3. Cooling Speed: 2~10 /sec.

**/ Resistance to Soldering Heat Test Conditions**

260±5                            10±1 sec.                            Temp.:260±5                            Time:10±1 sec

**/ Packaging SPEC.**

/ REEL

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
DFN1006-2L	10,000	10	100,000	6	600,000	7 x8	180x120x180	390x385x205

**/ Notices**