

Rev.B Aug.-2025

; =E ( ' ' - \$ ) C <J;  
DFN1006-2L Plastic Package 1-Line,Bi-directional , ESD Protection Diode.

(ej )' BM @: - ( ' ' ' \$+\$ ) + <J;

L d i X ' j d X c c g X Z b X ^ \ # I \ j g f e j \ ' K ` d \ ' ` j ' K p g ` Z X c p 3 ( e j # < J ; 5 ) ' b M g \ i ' ? I d X e ' 9 f [ p ' D f [ \ d @: - ( ' ' ' + ) ` C \ m ` c + ` < J ; ` G i f k \ Z k f e # = ` G i f [ I Z k %

D G\*

Parameter	Symbol	Rating	Unit
Peak Pulse Power( $t_p = 8/20$ s)	$P_{PK}$	60	W
Peak Pulse Current( $t_p = 8/20$ s)	$I_{PP}$	3.5	A
ESD according to IEC61000-4-2 air discharge	$V_{ESD}$	$\pm 20$	KV
ESD according to IEC61000-4-2 contact discharge		$\pm 15$	
Junction temperature	$T_J$	-55~+125	

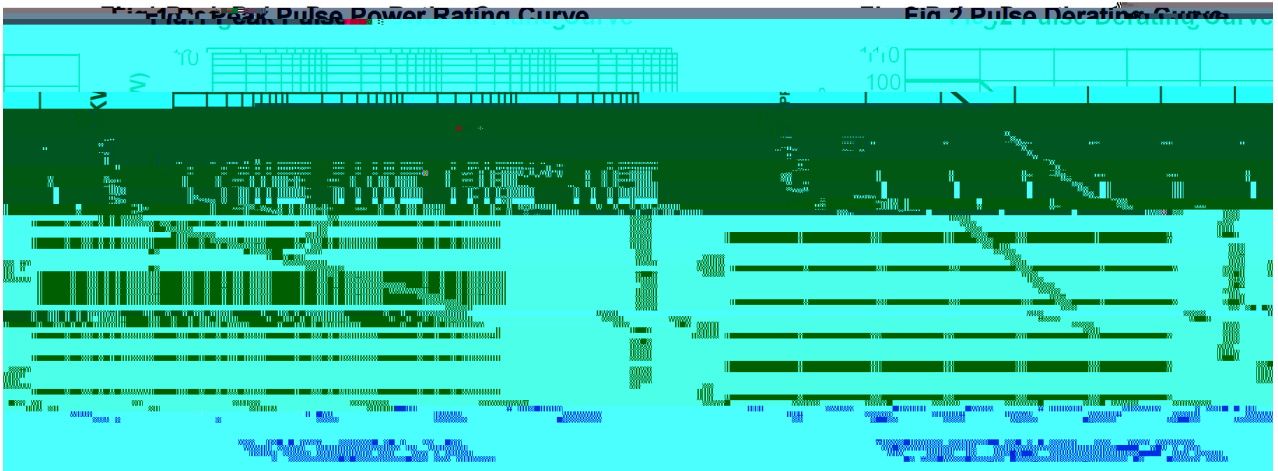
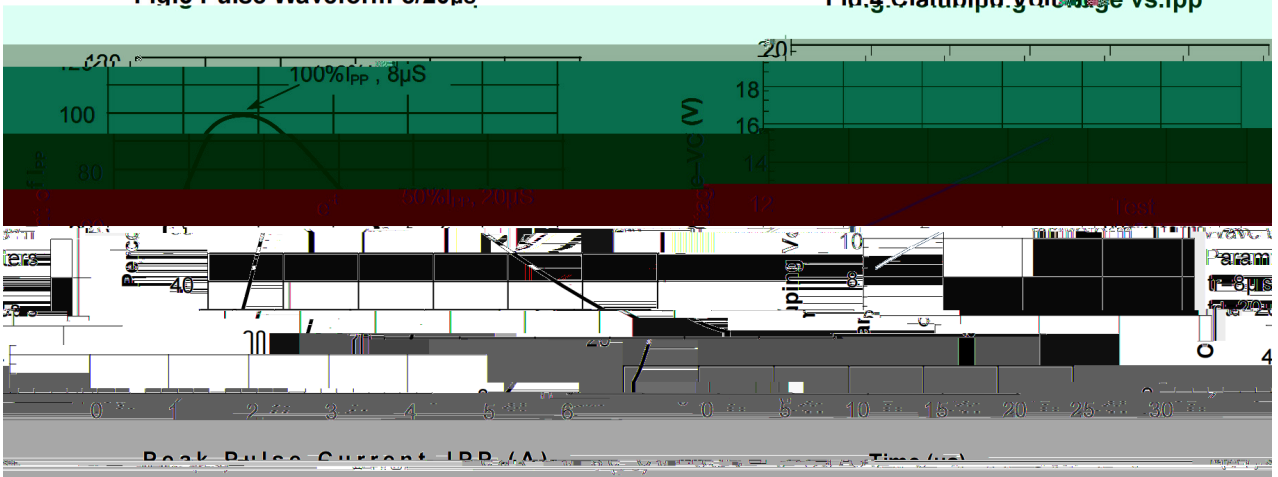
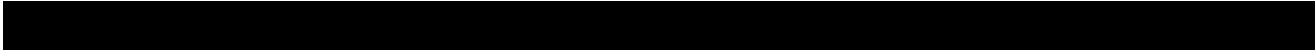
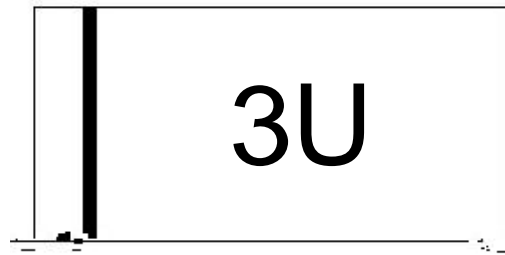


Fig.3 Pulse Waveform-8/20 $\mu$ s

Fig.4 Clamp Voltage  $V_{CLAMP}$





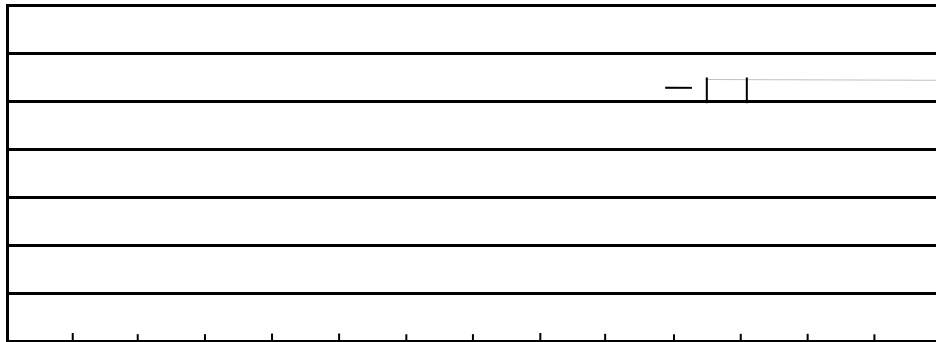


\*L

Note

3U      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.              |

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

/ REEL

Package Type	Units					Dimension			Units/Reel	Units/Inner Box	Units/Inner Box
	10,000	10	100,000	6	600,000	Reel	Inner Box	Outer	Reels/Inner Box	Units/Inner Box	
DFN1006-2L	10,000	10	100,000	6	600,000	7 x8	180x120x180	390x385x205			