

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 a 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}	± 20	KV
ESD according to IEC61000-4-2 contact discharge		± 15	
Junction temperature	T_J	-55~+125	

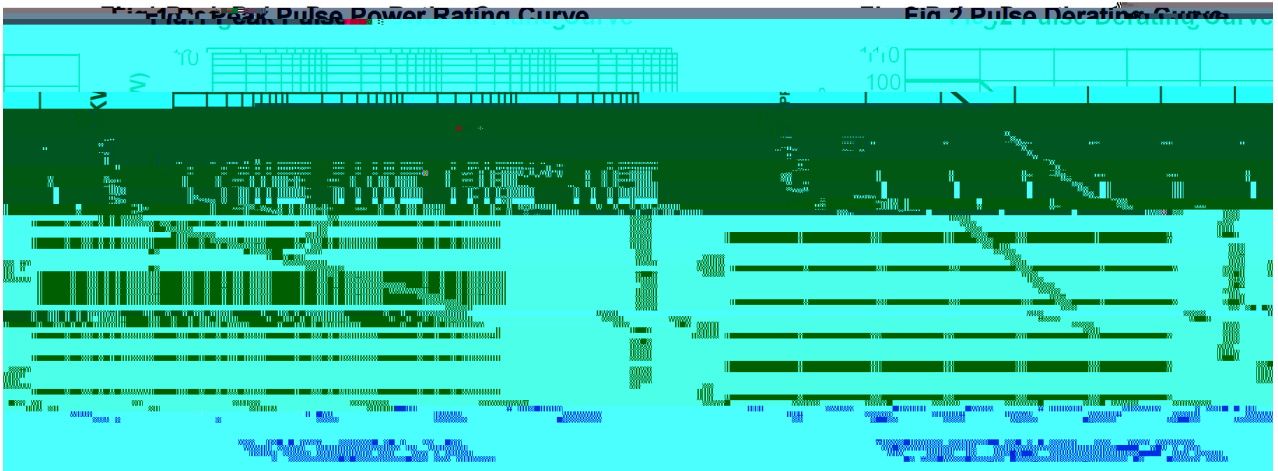
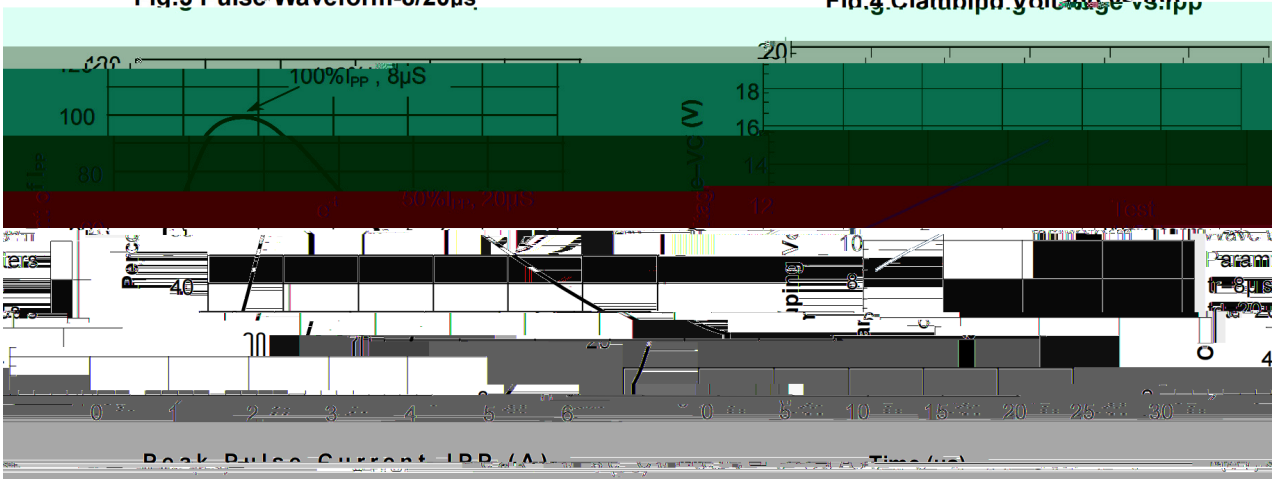
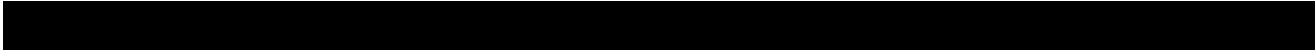
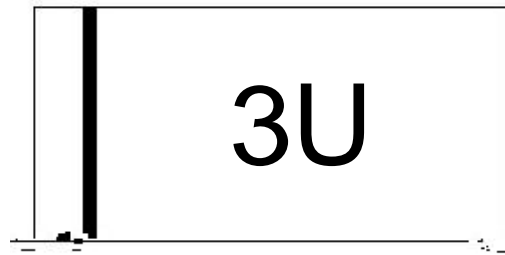


Fig.3 Pulse Waveform-8/20 μ s

Fig.4 Clamp Voltage V_{CL} vs I_{PP}



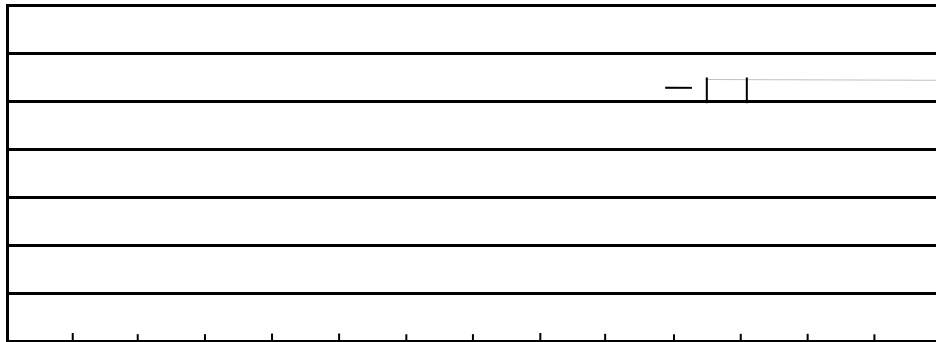




*L

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			