

BRES3V3X1C2ZP

Rev.B Aug.-2025



DATA SHEET

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<J;

DFN1006-2L Plastic Package 1-Line,Bi-directional , ESD Protection Diode.

(ej

)' BM

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D G*

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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	

/ Electrical Characteristic Curve(Ta=25)

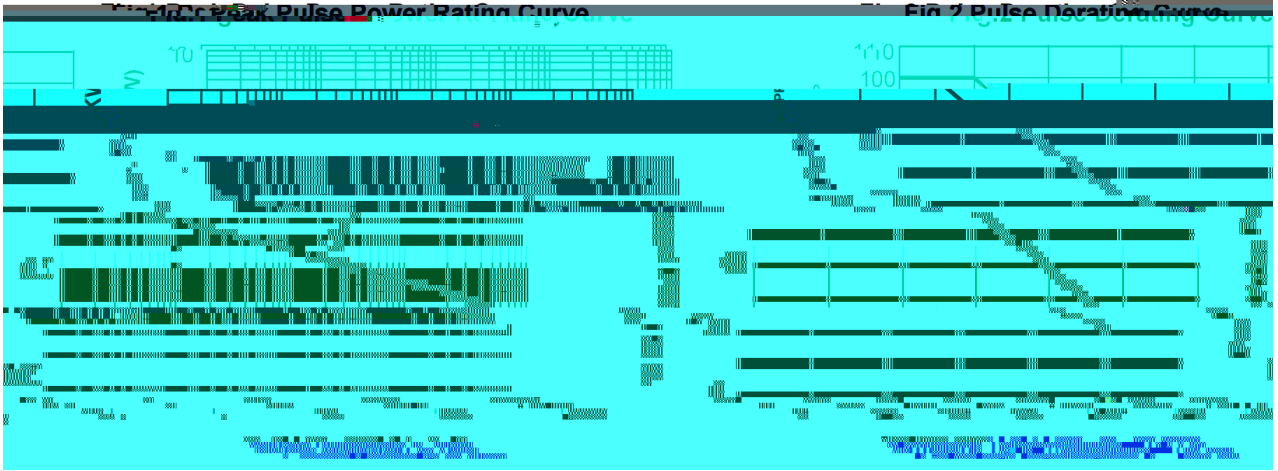
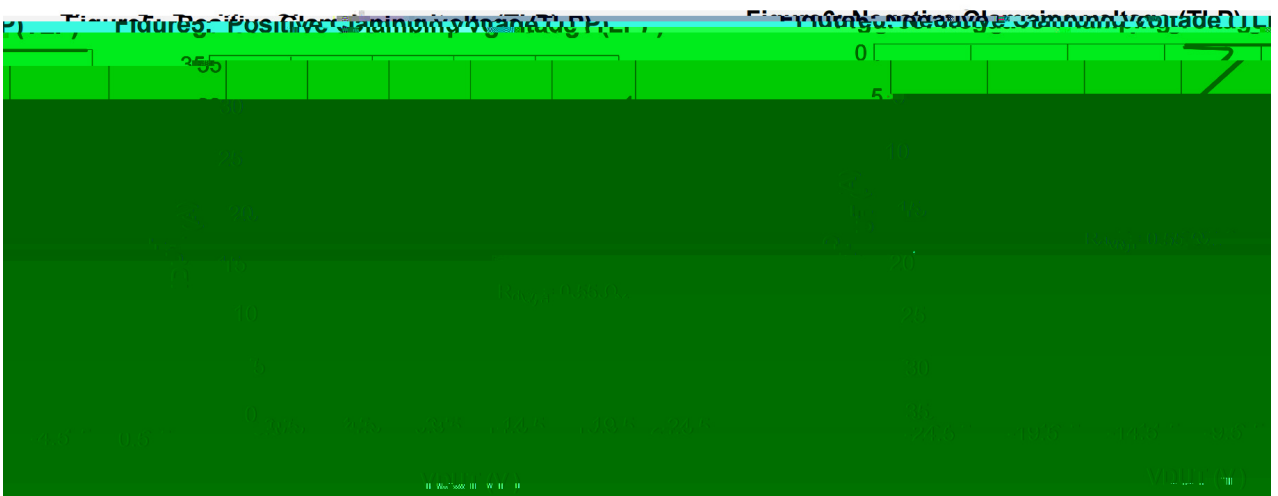
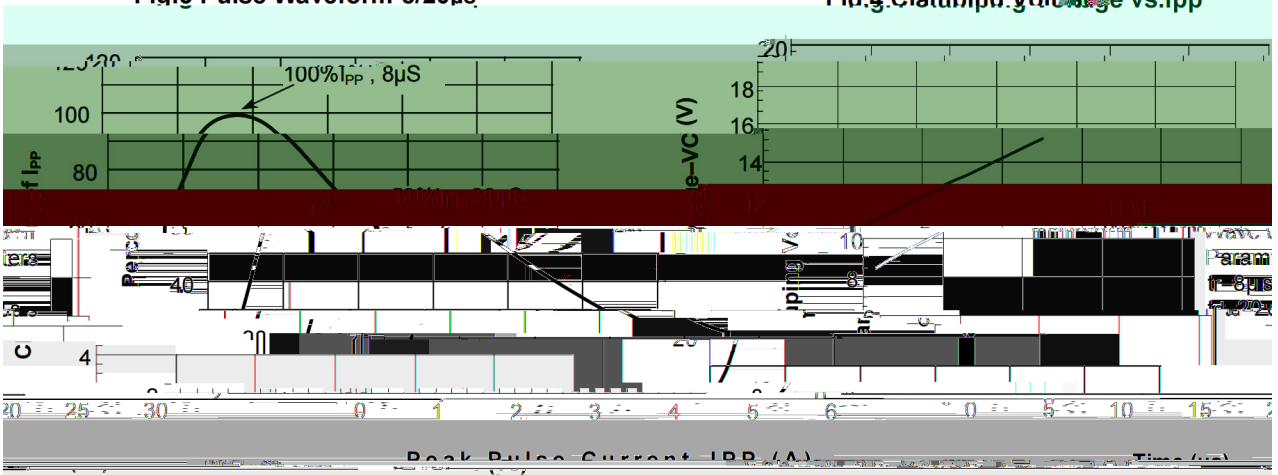


Fig.3 Pulse Waveform-8/20μs

Fig.4 Clamp Voltage vs. I_{pp}



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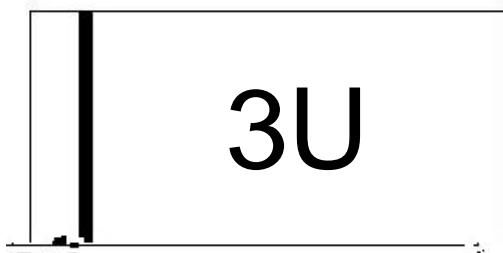
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蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

/ Marking Instructions



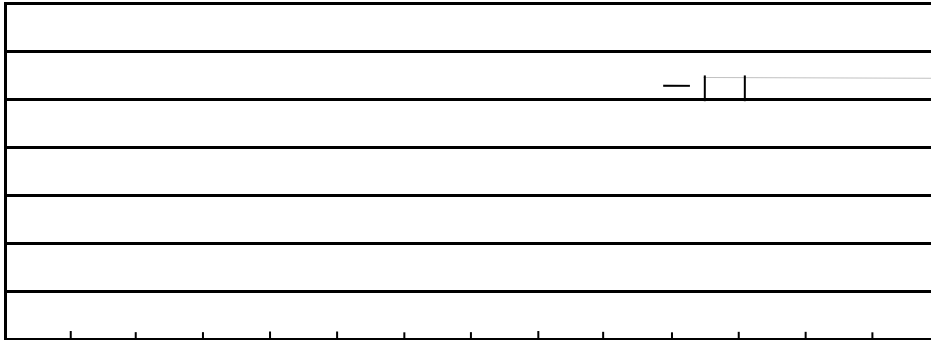
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Note

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. |

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

/ Notices