

BRES12VP1B2ZP

Rev.B Jul.-2024



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

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

Stand-off voltage: $\pm 12\text{V}$ Max.

Transient protection for each line according to

IEC61000-4-2(ESD): $\pm 30\text{kV}$ (contact)

IEC61000-4-2Vy969054(c3 IEC610005y962(Esurge-4.35-



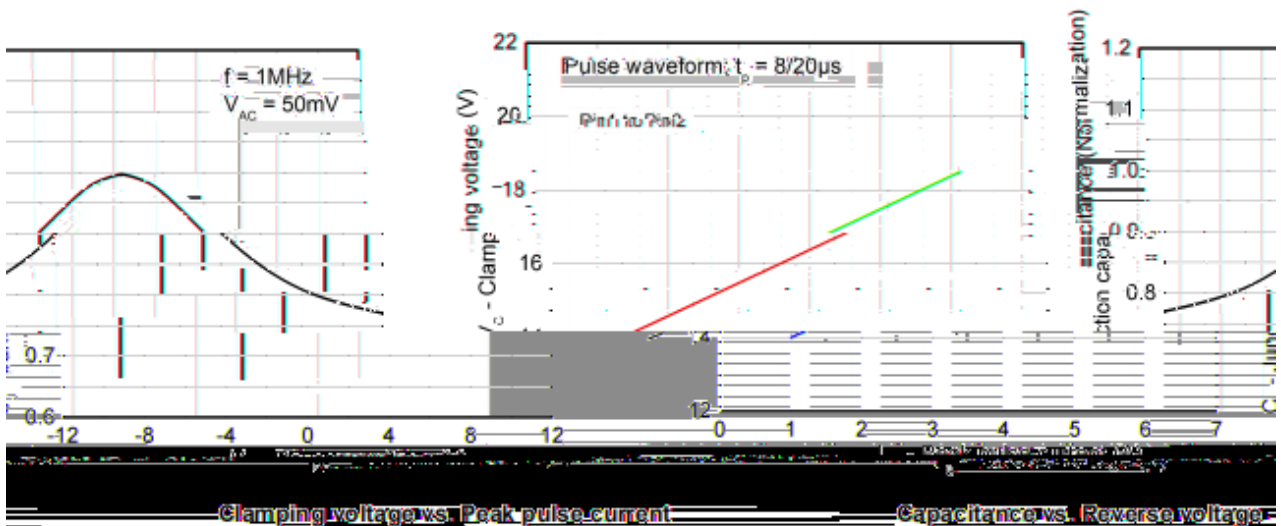
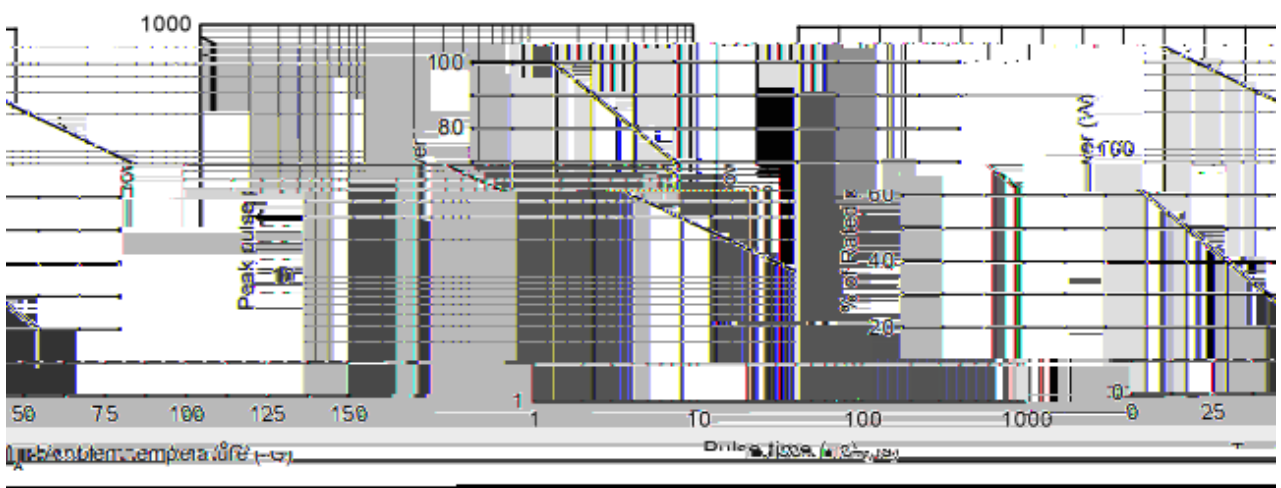
/ Absolute Maximum Ratings

Parameter	Symbol	Rating	Unit
Peak Pulse Power($t_p = 8/20\mu s$)	P_{PK}	120	W
Peak Pulse Current($t_p = 8/20\mu s$)	I_{PP}	6	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 30	KV
ESD according to IEC61000-4-2 contact discharge		± 30	
Junction temperature	T_J	125	
Operating temperature	T_{OP}	-40~85	
Lead temperature	T_L	260	
Storage Temperature	T_{STG}	-55~+150	

Definitions of electrical characteristics

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
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/ Electrical Characteristic Curve($T_a=25^\circ\text{C}$)



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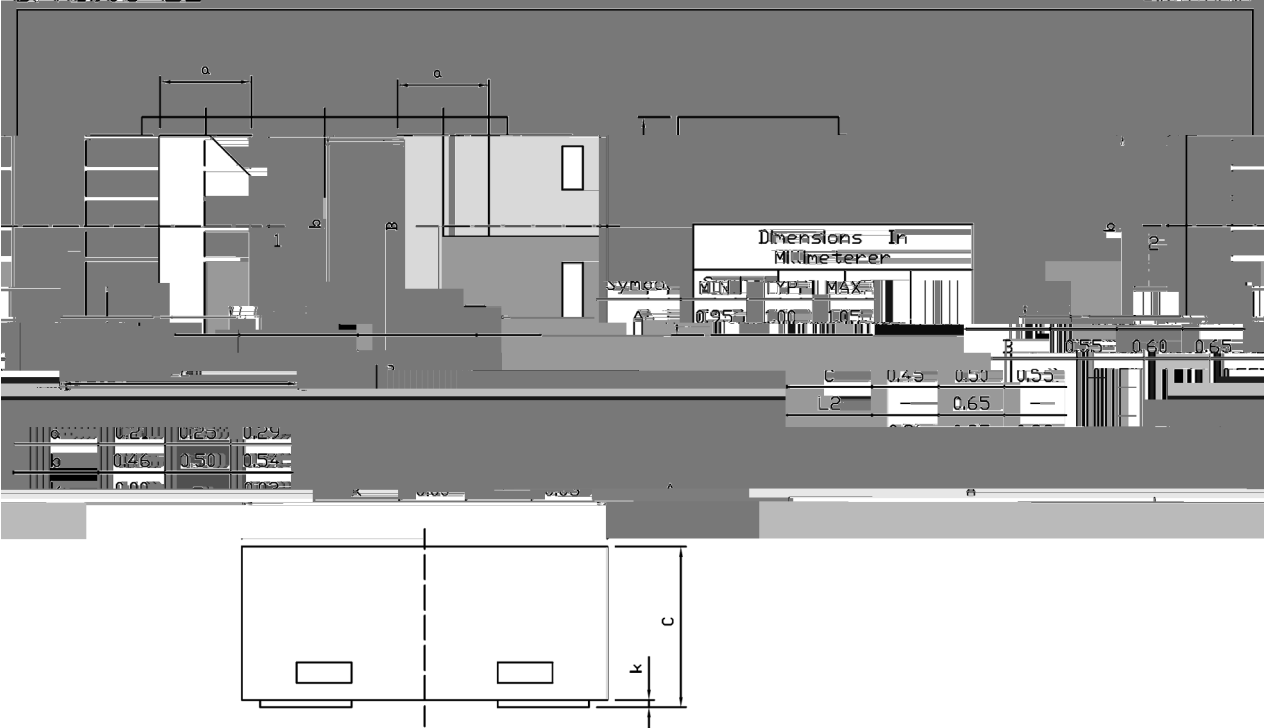


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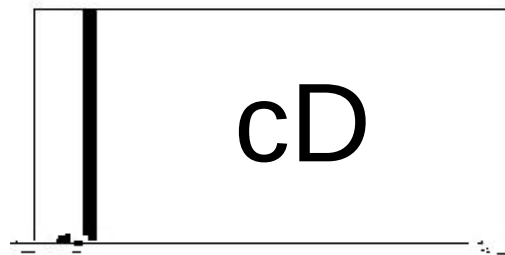
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/ Package Dimensions

DFN1006-2L Unit:mm



/ Marking Instructions



Note

cD

Product Type Code

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

- Note:

11501806090sec;1.Preheating:150~180 , Time:60~90sec.

2245550.5sec;2.Peak Temp.:245 5 , Duration:5 0.5sec.

3210 /sec.3. Cooling Speed: 2~10 /sec.