

BRES12VP1B2ZP

Rev.B Jul.-2024



DATA SHEET

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

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

Transient protection for each line according to

IEC61000-4-2(ESD): $\pm 30kV$ (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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蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

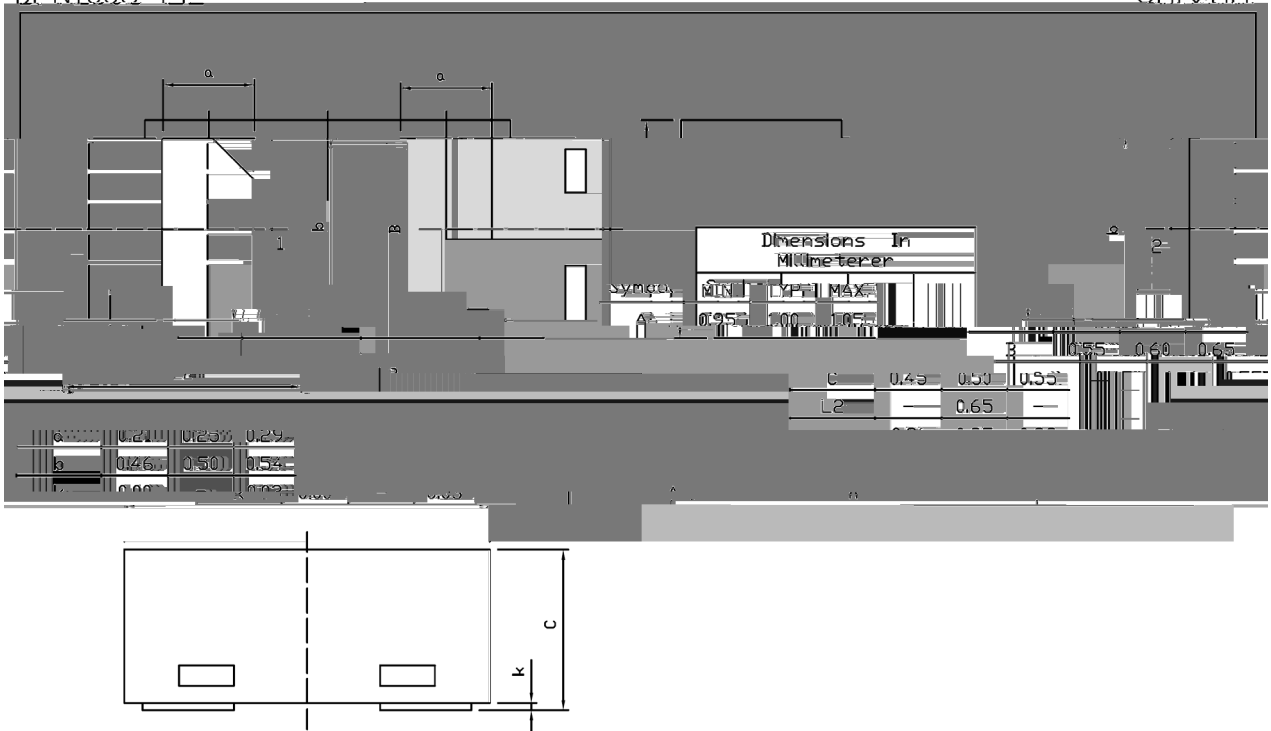
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/ Package Dimensions

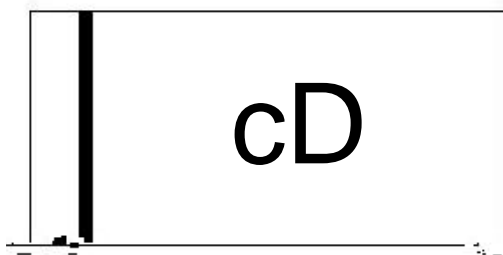
DFN1006-2L

Unit:mm



Rev.01 202108

/ Marking Instructions



Note

cD

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. |