

# BRES5V0X1B2ZP

Rev.C Aug.-2025

DFN1006-2L

ESD

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

1ns

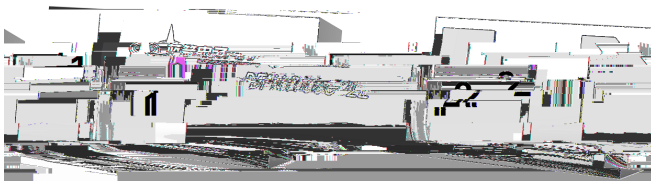
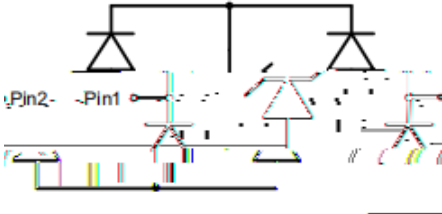
20KV

IEC61000-4-2 4 ESD

Ultra small package, Response Time is Typically < 1 ns, ESD > 20 kV per Human Body Model,IEC61000-4-2 Level 4 ESD Protection,HF Product.

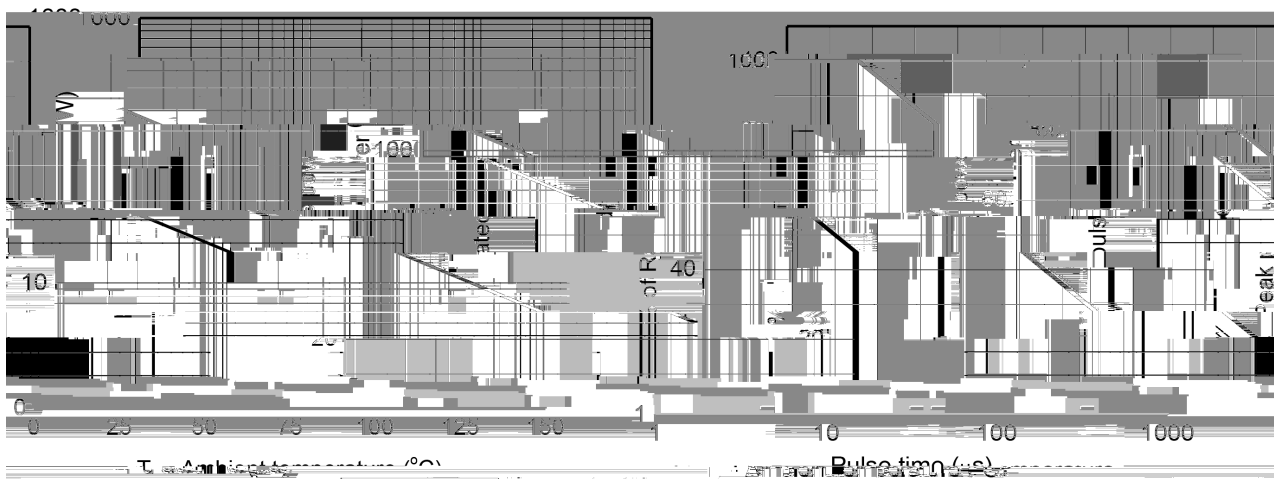
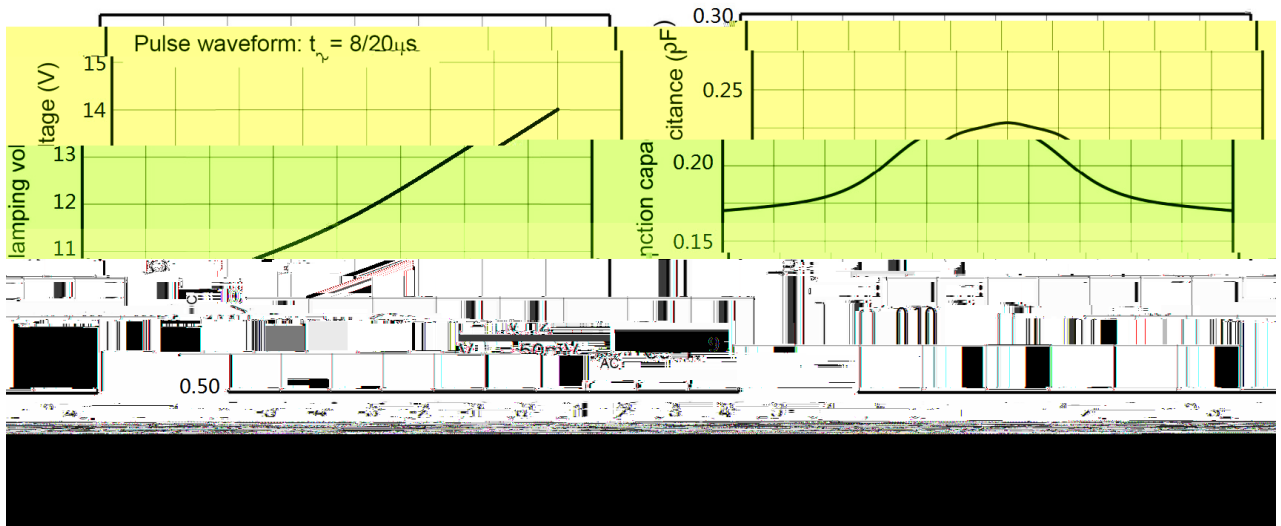
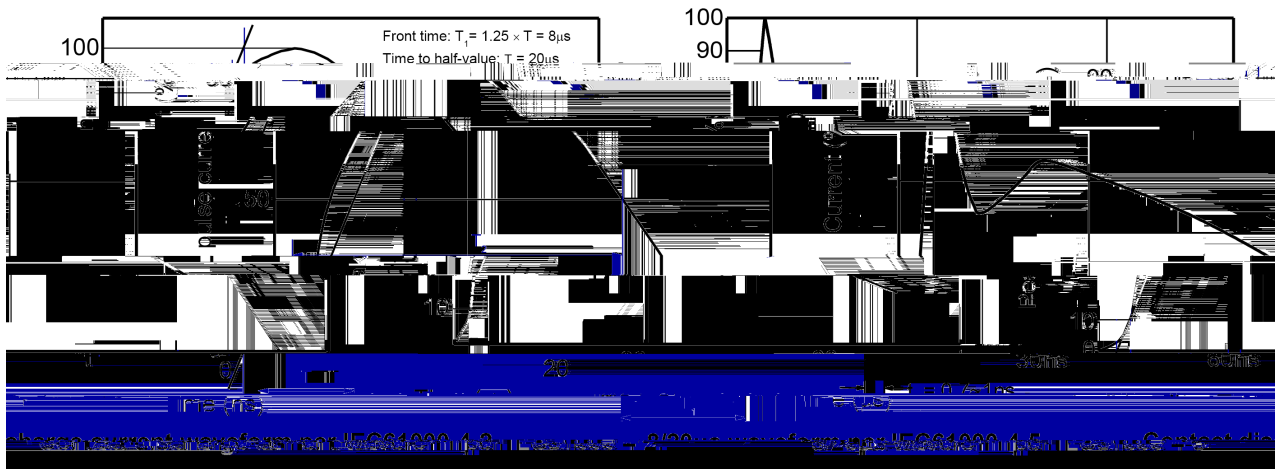
MP3

Suitable for cellular phones audio,MP3 players, Digital cameras, Portable devices, mobile telephone and other users.



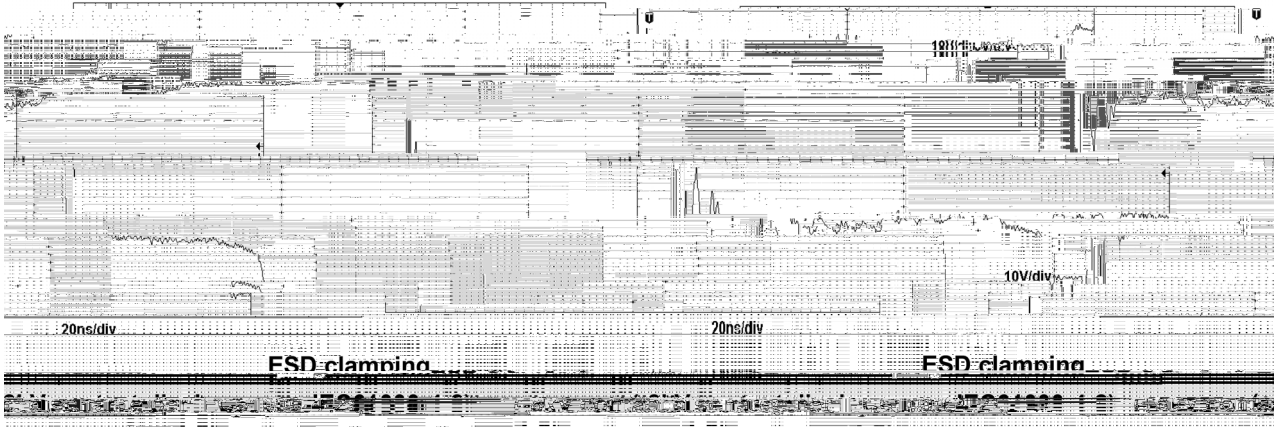
Parameter	Symbol	Rating	Unit
p			
Peak Pulse Current( $t_p = 8/20\mu s$ )	$I_{PP}$	4	A
ESD according to IEC61000-4-2 air discharge	$V_{ESD}$	$\pm 20$	KV
ESD according to IEC61000-4-2 contact discharge		$\pm 20$	

/ Electrical Characteristic Curve(Ta=25 )



Power derating vs. Ambient temperature      Non-repetitive peak pulse power vs. Pulse time

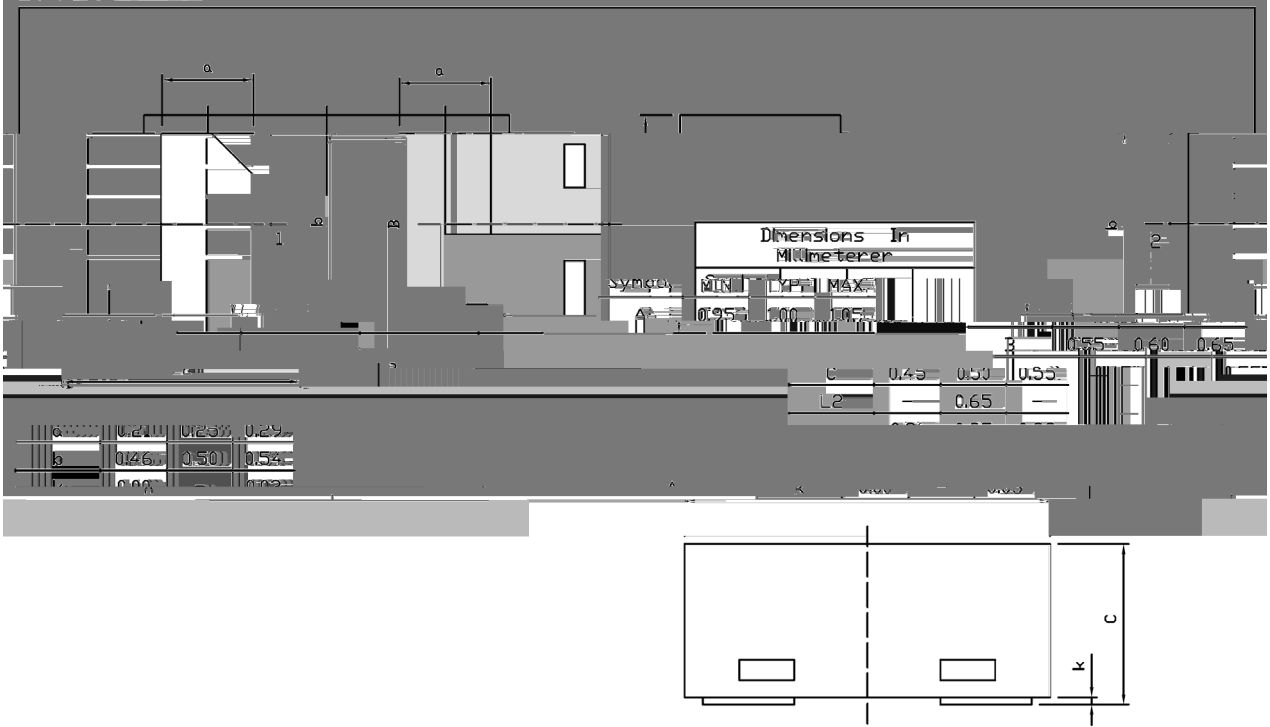
/ Electrical Characteristic Curve(Ta=25 )



/ Package Dimensions

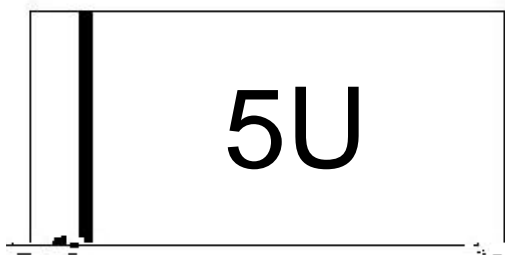
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Unit:mm



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**/ Marking Instructions**

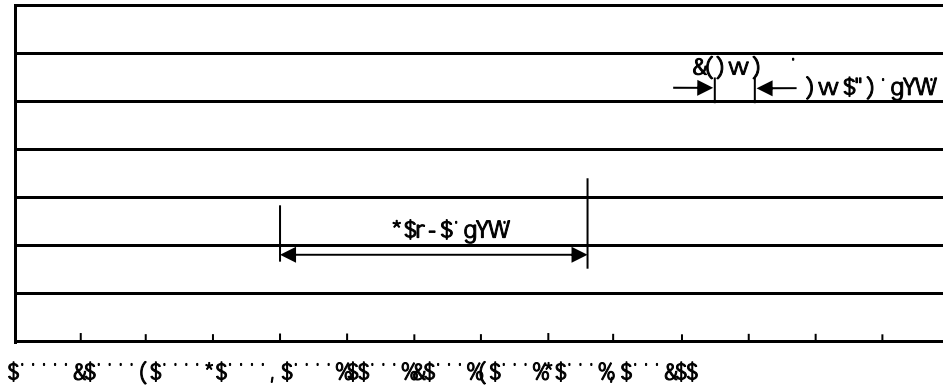


5U

Note

5U            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 (unit mm <sup>3</sup> )		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
DFN1006-2L	10,000	10	100,000	6	600,000	7 x8	180x120x180	390x385x205

**/ Notices**