

BRES3V3L1B2ZP

Rev.E Dec.-2024

/ Descriptions

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DFN1006-2L Plastic Package ESD Protection Diode.

/ Features

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Ultra small package, Response Time is Typically < 1 ns, ESD > 30 kV per Human Body Model,IEC61000 4 2 Level 4 ESD Protection,HF Product.

/ Applications

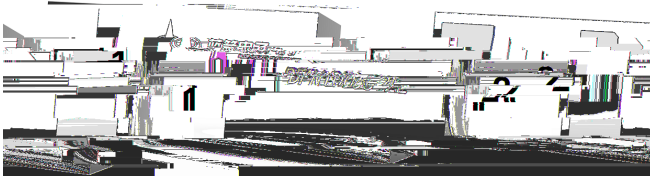
D G*

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

/ Equivalent Circuit



/ Pinning



/ Marking

See Marking Instructions.

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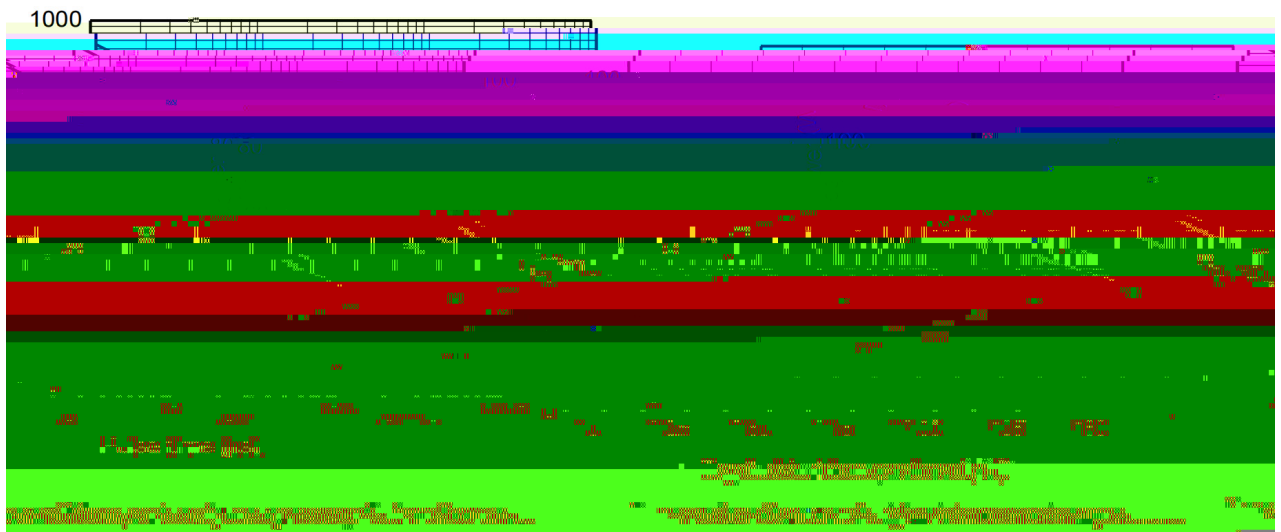
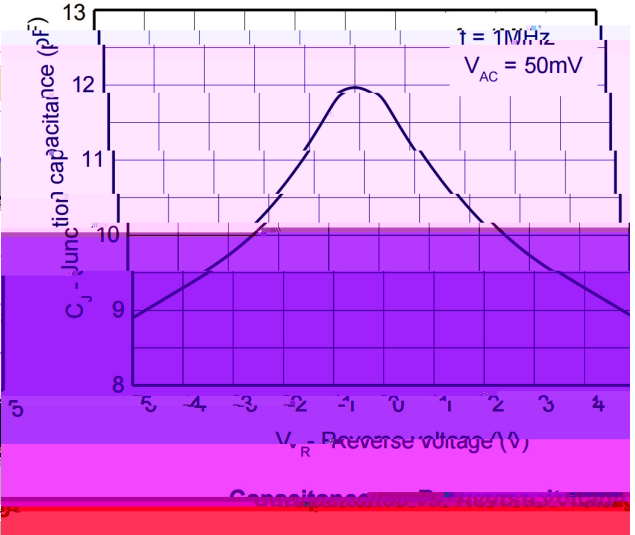
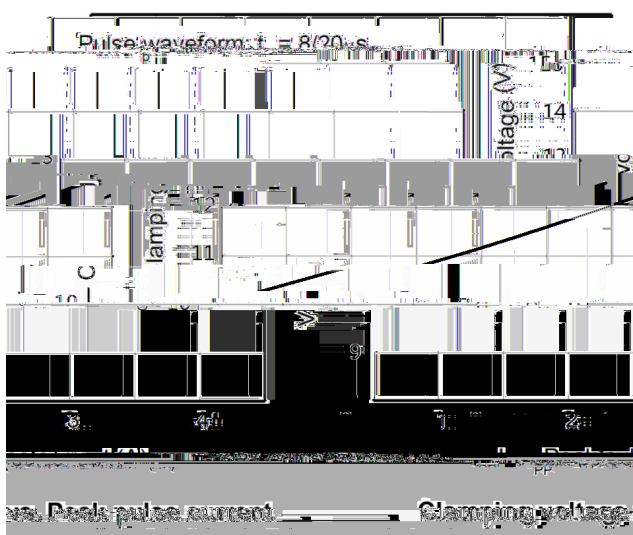
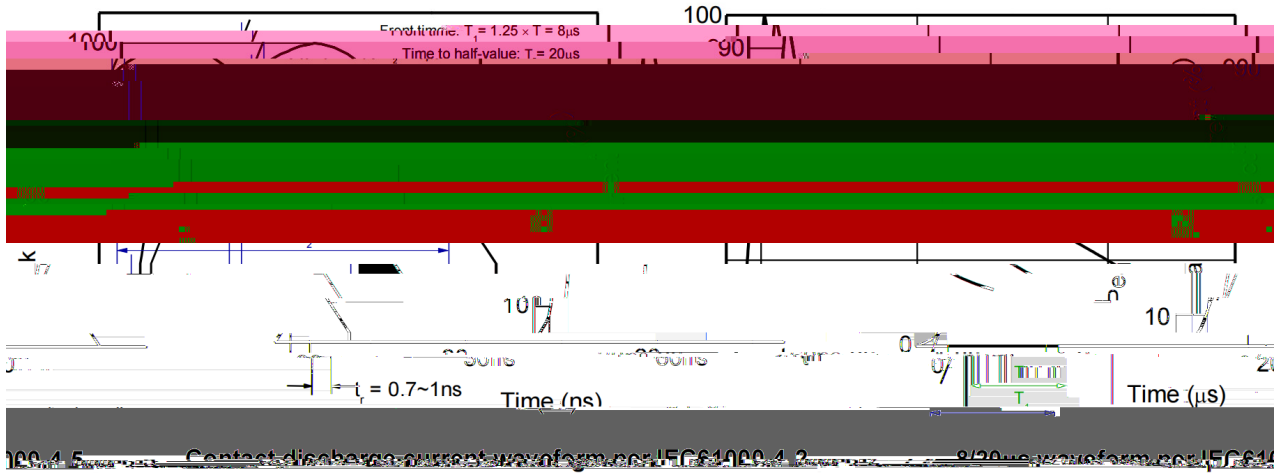


DATA SHEET

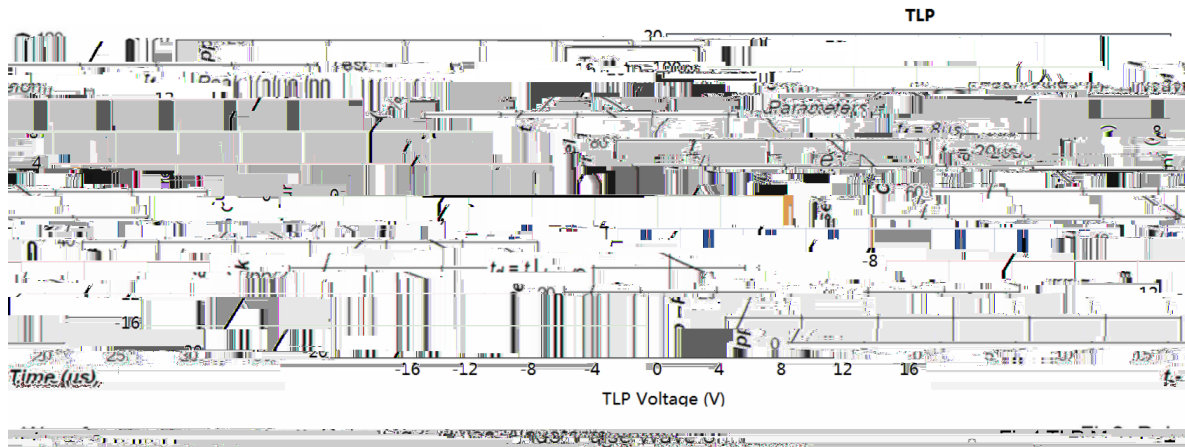
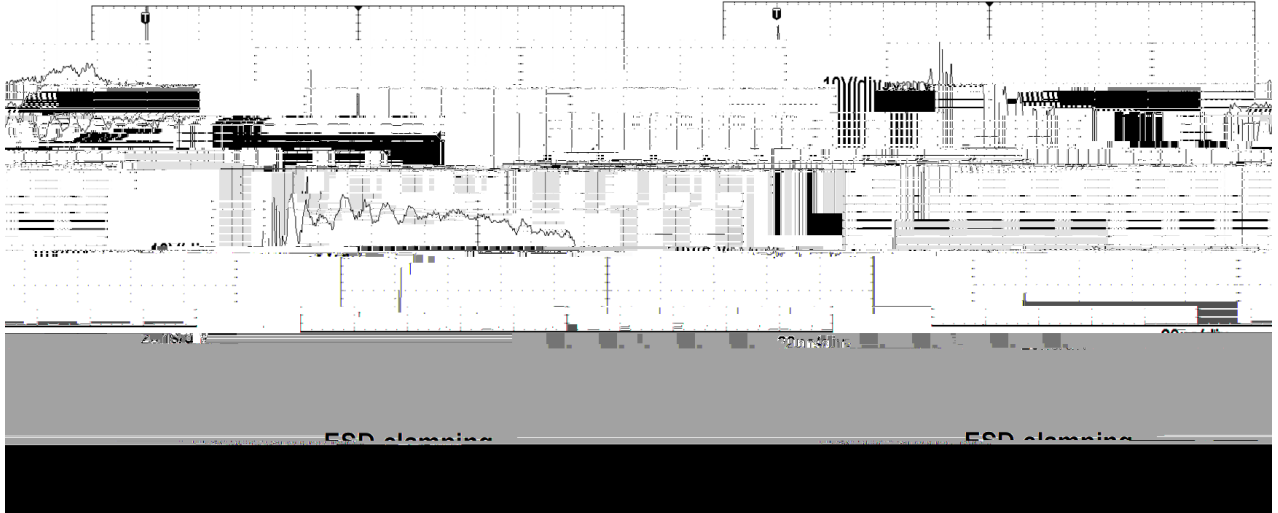
Parameter	Symbol	Rating	Unit
Peak pulse power ($t_p = 8/20\mu s$)	P_K	69	W
Peak pulse current ($t_p = 8/20\mu s$)	I_{PP}	5.5	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 30	KV
ESD according to IEC61000-4-2 contact discharge		± 30	
Junction temperature	T_J	150	
Storage temperature	T_{STG}	-55~+150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	\hat{A} Min					

/ Electrical Characteristic Curve

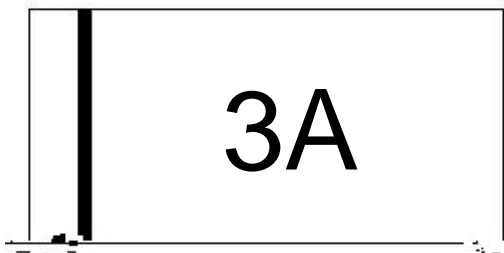


/ Electrical Characteristic Curve



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/ Marking Instructions



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Note

3A 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	(unit)	Reels/Inner Box	Units/In
		Reel	Inner Box	Outer	OT	/-	/