

/ Descriptions

DFN1610-2L ESD

DFN1610-2L Plastic Package 1-Line,Uni-directional , ESD Protection Diode.

/ Features

1ns

30KV

IEC61000-4-2

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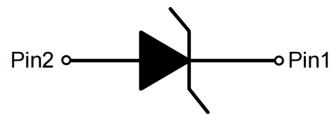
ESD

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

/ Applications

MP3

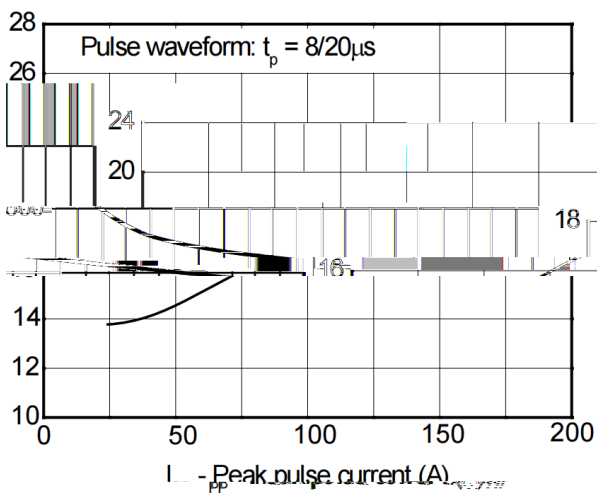
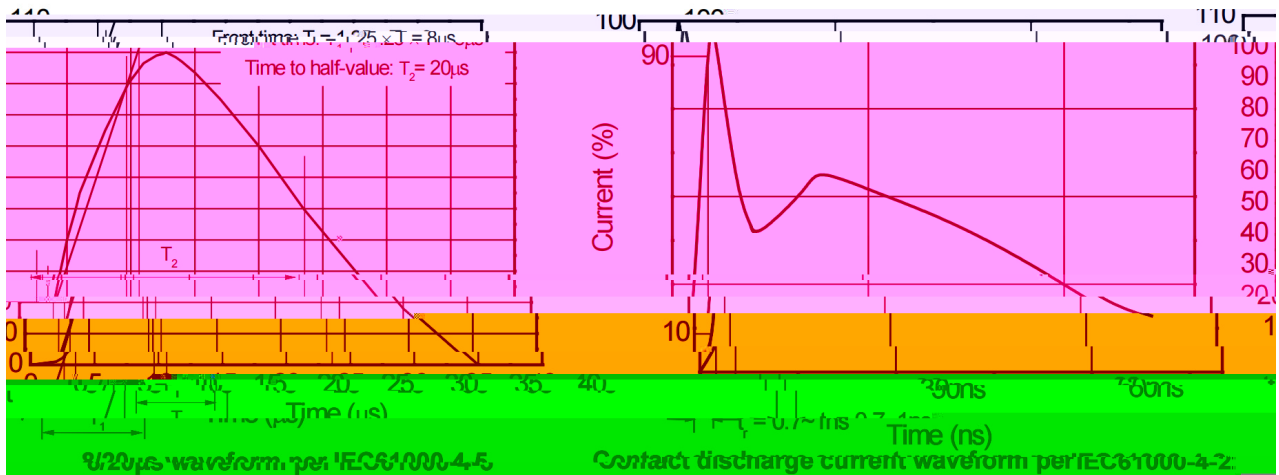
Suitable for cellular phones audio,MP3 players, Digital cameras, Portable devices, mobile telephone and other users.

/ Equivalent Circuit**/ Pinning****/ Marking**

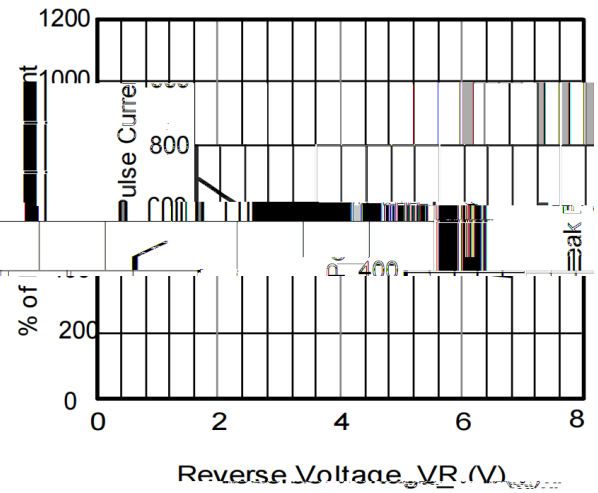
See Marking Instructions.

Parameter	Symbol	Rating	Unit
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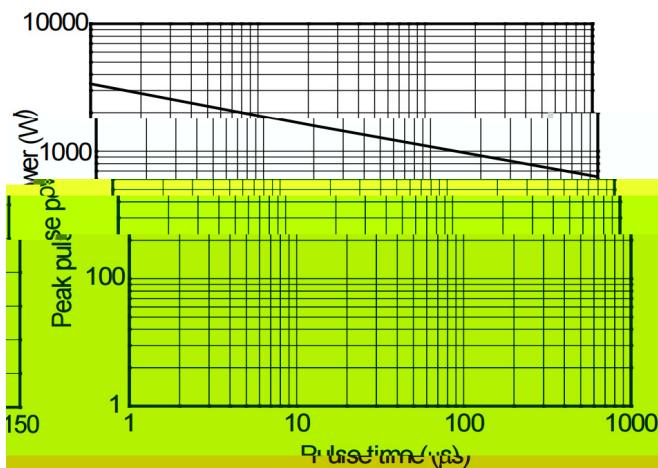
/ Electrical Characteristic Curve($T_a=25^\circ\text{C}$)



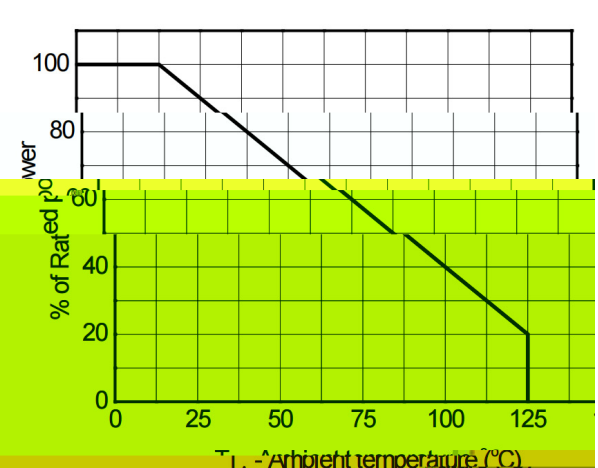
Clamping voltage vs. Peak pulse current



Capacitance vs. Reverse voltage



Non resistive peak pulse power vs. Pulse width



Power derating vs. Ambient temperature



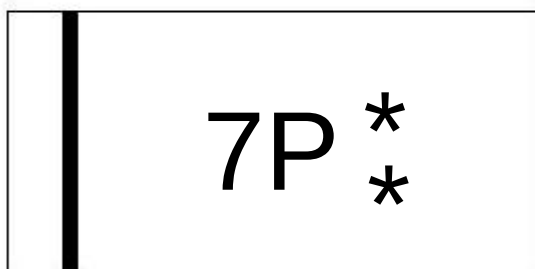
/ Package Dimensions

DFN1610

		DIMENSIONS					
		MILLIMETERS			INCHES		
		MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A		0.45	0.50	0.55	0.018	0.020	0.022
a		0.00	0.02	0.05	0.000	0.001	0.002
b		0.75	0.80	0.85	0.030	0.032	
c		0.10	0.15	0.20	0.004	0.006	
D		1.55	1.60	1.65	0.062	0.064	
e		1.10 BSC			0.044 BSC		
E		0.95	1.00	1.05	0.038	0.040	
L		0.35	0.40	0.45	0.014	0.016	
h		0.15	0.20	0.25	0.006	0.008	



/ Marking Instructions



7P

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Note

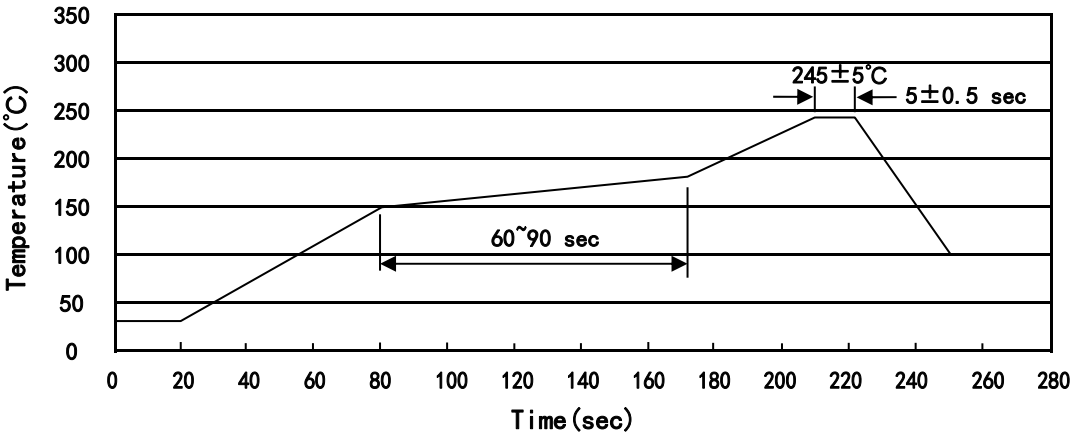
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Product Type Code

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Lot No. Code, code change with Lot No

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Note:

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|---|-------|-----|----|-----------|---|
| 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
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/ Notices