

# BRSY7V0M1U2YV

Rev.A Nov.-2023

## / Descriptions

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

## / Features

1ns 30KV IEC61000-4-2 4 ESD

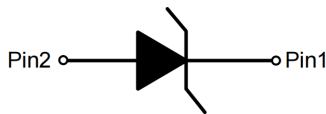
Ultra small package, Response Time is Typically<1ns, ESD>30kV per Human Body Model, IEC61000-4-2 Level 4 ESD Protection, HF Product.

## / Applications

MP3

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

## / Equivalent Circuit



## / Pinning



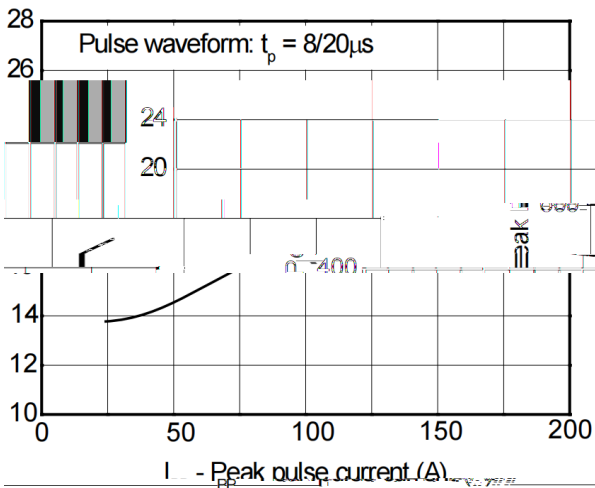
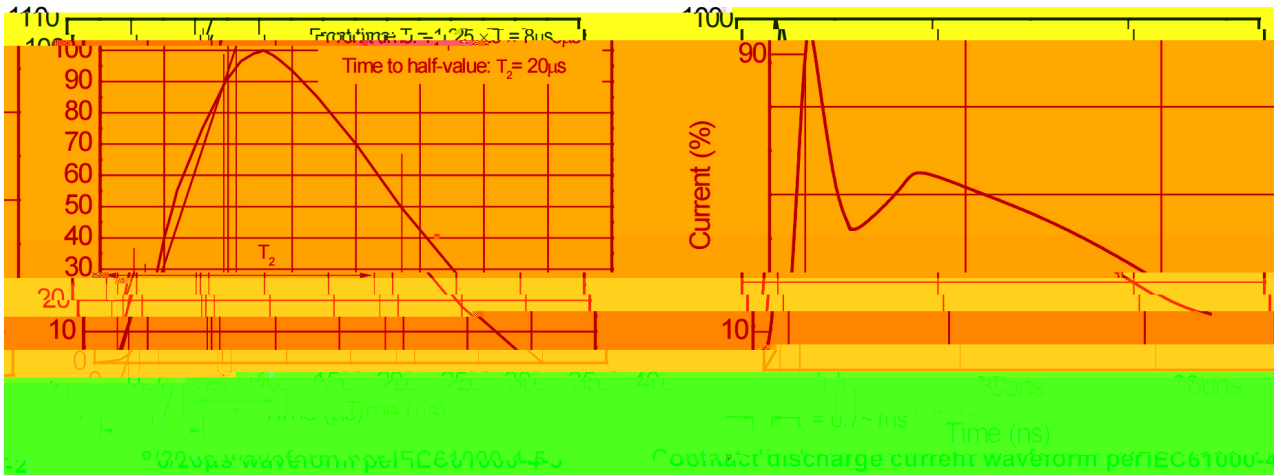
## / Marking

See Marking Instructions.

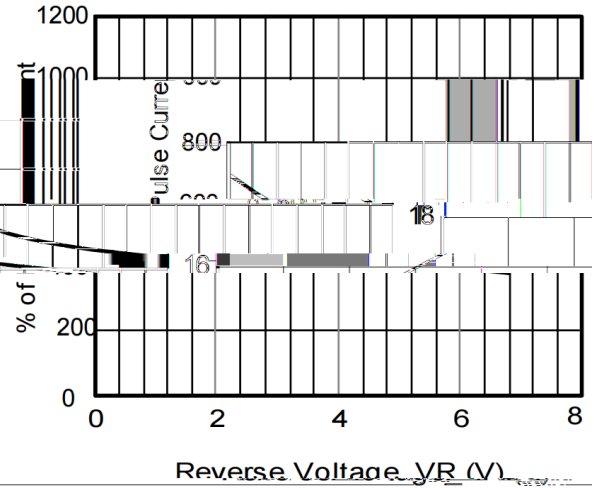
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Parameter	Symbol	Rating	Unit
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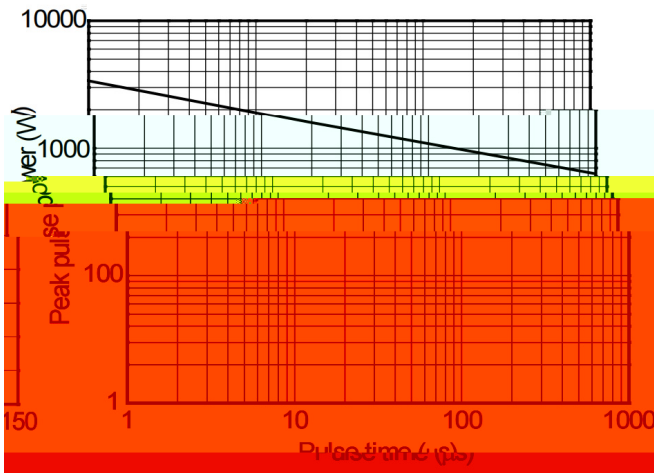
/ Electrical Characteristic Curve(Ta=25 )



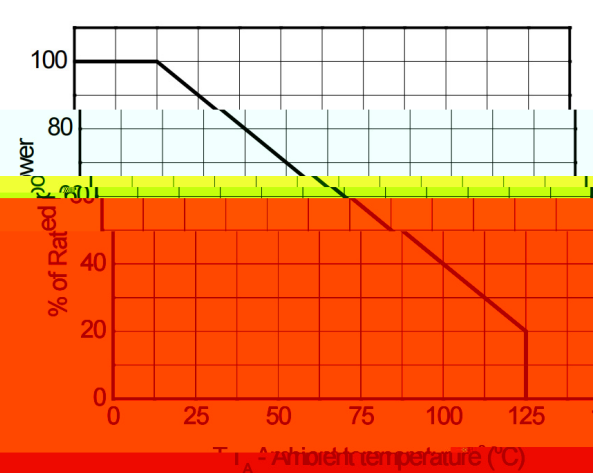
Clamping voltage vs. Peak pulse current



Capacitance vs. Reverse voltage



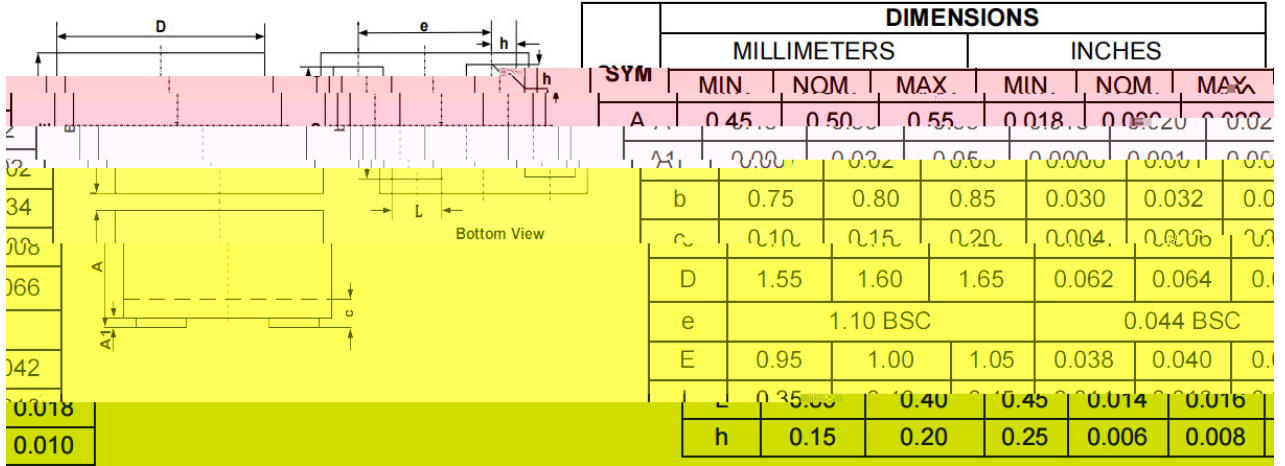
Non-repetitive peak pulse power vs. Pulse time



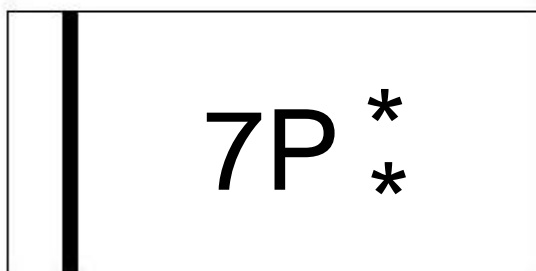
Power derating vs. Ambient temperature

/ Package Dimensions

DFN1610



**/ Marking Instructions**



7P

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Note

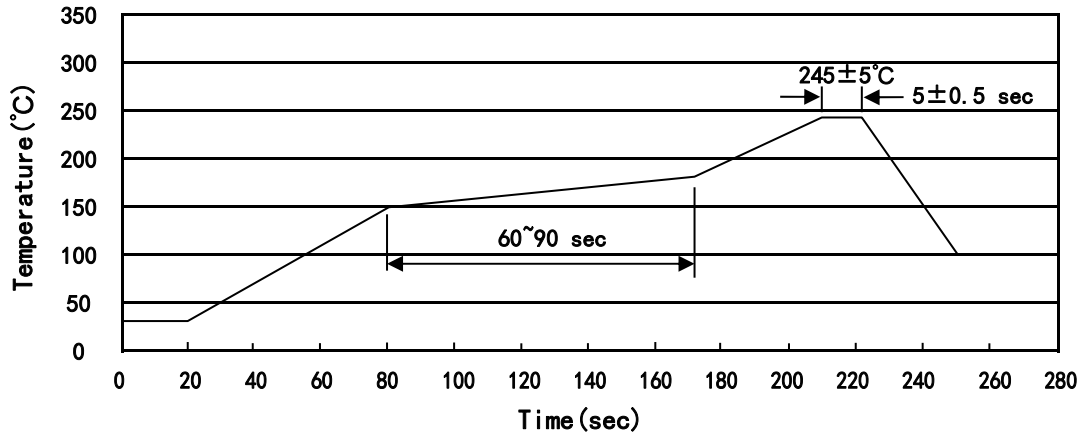
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Product Type Code

\*\*:

Lot No. Code, code change with Lot No

( ) /



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

**/ Notices**