

## 5 é / Descriptions

\*, 4 .> // x + 9 \* ' 8 â 'ož

DFN0603 Plastic Package ESD Protection Diode.

□<sup>a</sup> / Features

Ý 4 / x k 3 o € • ž • 4 9 T Y k ...<sup>2</sup> ^ ' ñ 1 < Y k ... ` / + ) ' + 9 \* ' ¼ ) k — í D } ož

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.

Model, IEC61000 ] 4 ] 2 Level 4 ESD Protection, HF Product.

## Đ ÷ / Applications

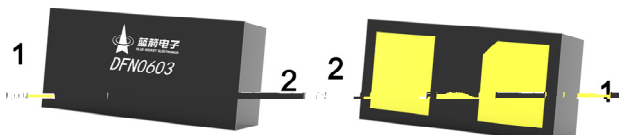
9 ô Ñ ° È o • 3 6 n y ~ o • f A , Ñ o • Ž ` " — Ō o • g € ^ ï € ož

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

## Ã W ] Ō • / Equivalent Circuit



## • Ū - æ / Pinning



## , M V / Marking

• - ~<sup>a</sup> € ož See Marking Instructions.

| @ f<br>Parameter                                | ... Z<br>Symbol | f ><br>Rating | % y<br>Unit |
|-------------------------------------------------|-----------------|---------------|-------------|
| Peak pulse power ( $t_p = 8/20 \text{ s}$ )     | $P_K$           | 69            | W           |
| Peak pulse current ( $t_p = 8/20 \text{ s}$ )   | $I_{PP}$        | 5.5           | A           |
| ESD according to IEC61000-4-2 air discharge     | $V_{ESD}$       | $\pm 30$      | KV          |
| ESD according to IEC61000-4-2 contact discharge |                 | $\pm 30$      |             |

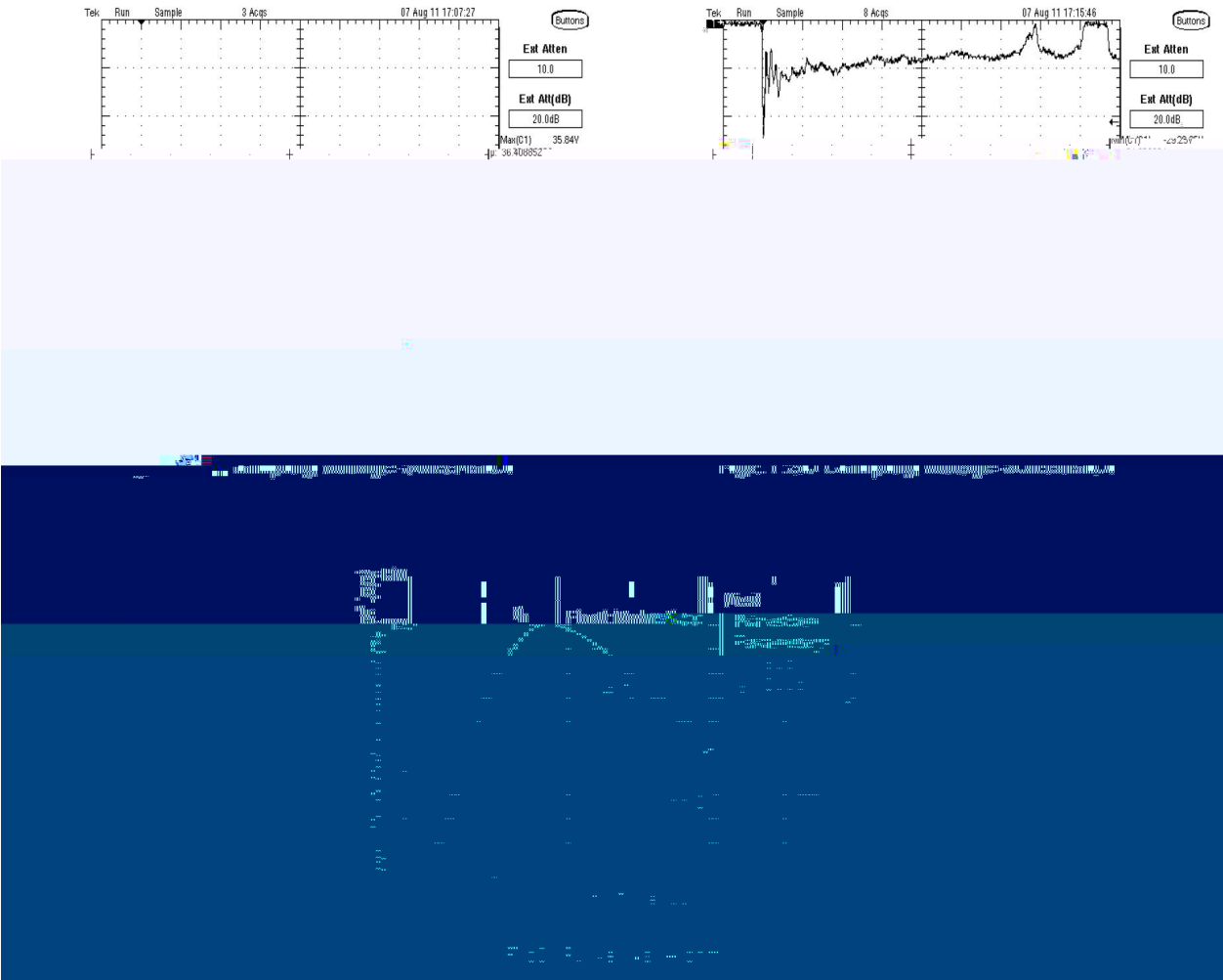
Junction temperature

 $T_J$ 

150

302.Storage 0 10.0

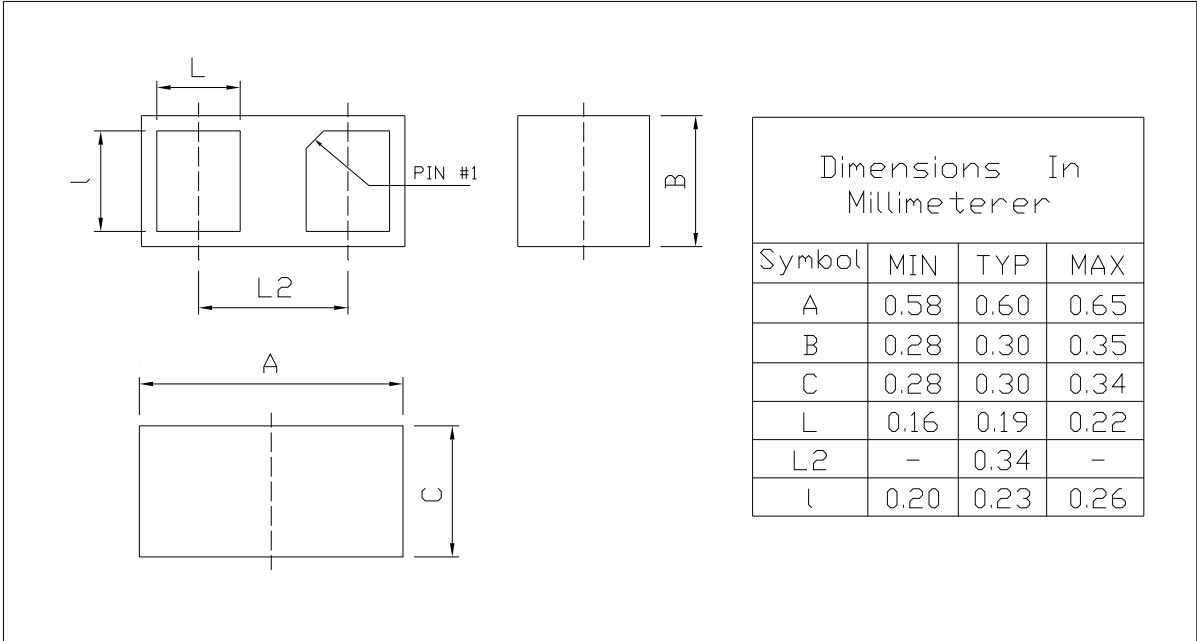
Electrical Characteristic Curve



Ø □ = ) ☎ / Package Dimensions

DF N0603

Unit:mm



Rev.02 202102

, M y f / Marking Instructions

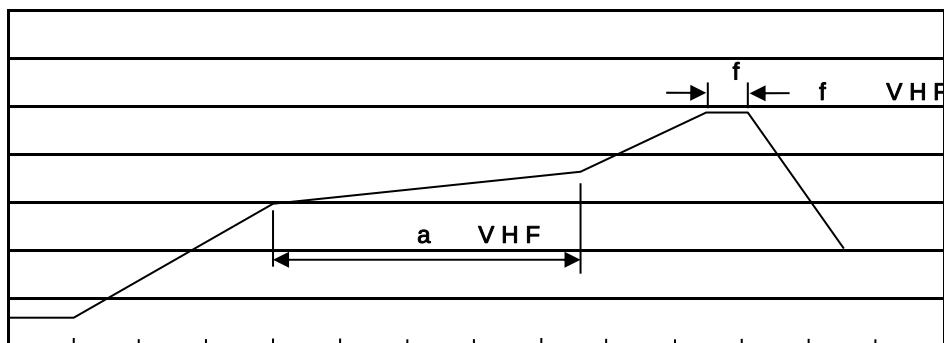


|                  |                                      |
|------------------|--------------------------------------|
| <sup>a</sup> ¢ y |                                      |
| - y              | ° Z W A                              |
| y                | ÿ D Z W A k š Ÿ D Z J                |
| Note y           |                                      |
| G y              | Product Type                         |
| * y              | Lot No. Code,code change with Lot No |



ŠWD t... • Žč (x/ ) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

7HPSHUDWXUH



7LPH VHF

ačy

10• Ä ½ “† 150 ½180 - k ž • 60 ½90sec;

20• Q > “† 245 r5 - k ž • 4 Ò 5 r0.5sec;

30•D N ò i Ò 0 ,† 2 ½10 - /sec.

Note:

1.Preheating:150~180 - , Time:60~90sec.

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

“† y 260 r5 -

ž • y 10 r1 sec.

Temp.:260±5

Time:10±1 sec

G P á / Packaging SPEC.

2 & x / REEL

| Package Type<br>7>û ~ E | Units ;>û H      |                          |                       |                                |                        | Dimension ;>û p . (unit Åmm³) |             |             |
|-------------------------|------------------|--------------------------|-----------------------|--------------------------------|------------------------|-------------------------------|-------------|-------------|
|                         | Units/Reel<br>/- | Reels/Inner Box<br>-- /- | Units/Inner Box<br>/- | Inner Boxes/Outer Box<br>- /1ç | Units/Outer Box<br>/1ç | Reel                          | Inner Box   | Outer Boxç  |
| DFN0603-2L              | 15,000           | 10                       | 150,000               | 4                              | 600,000                | 7 s ×8                        | 210×205×205 | 445×230×435 |

„ Ð y f / Notices