



/ Absolute Maximum Ratings( $T_a=25^\circ\text{C}$ )

| Parameter                                       | Symbol    | Rating   | Unit |
|-------------------------------------------------|-----------|----------|------|
| Peak pulse power ( $t_p = 8/20\mu\text{s}$ )    | $P_K$     | 69       | W    |
| Peak pulse current ( $t_p = 8/20\mu\text{s}$ )  | $I_{PP}$  | 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      |      |
| Storage temperature                             | $T_{STG}$ | -55~+150 |      |

/ Electrical Characteristics( $T_a=25^\circ\text{C}$ )

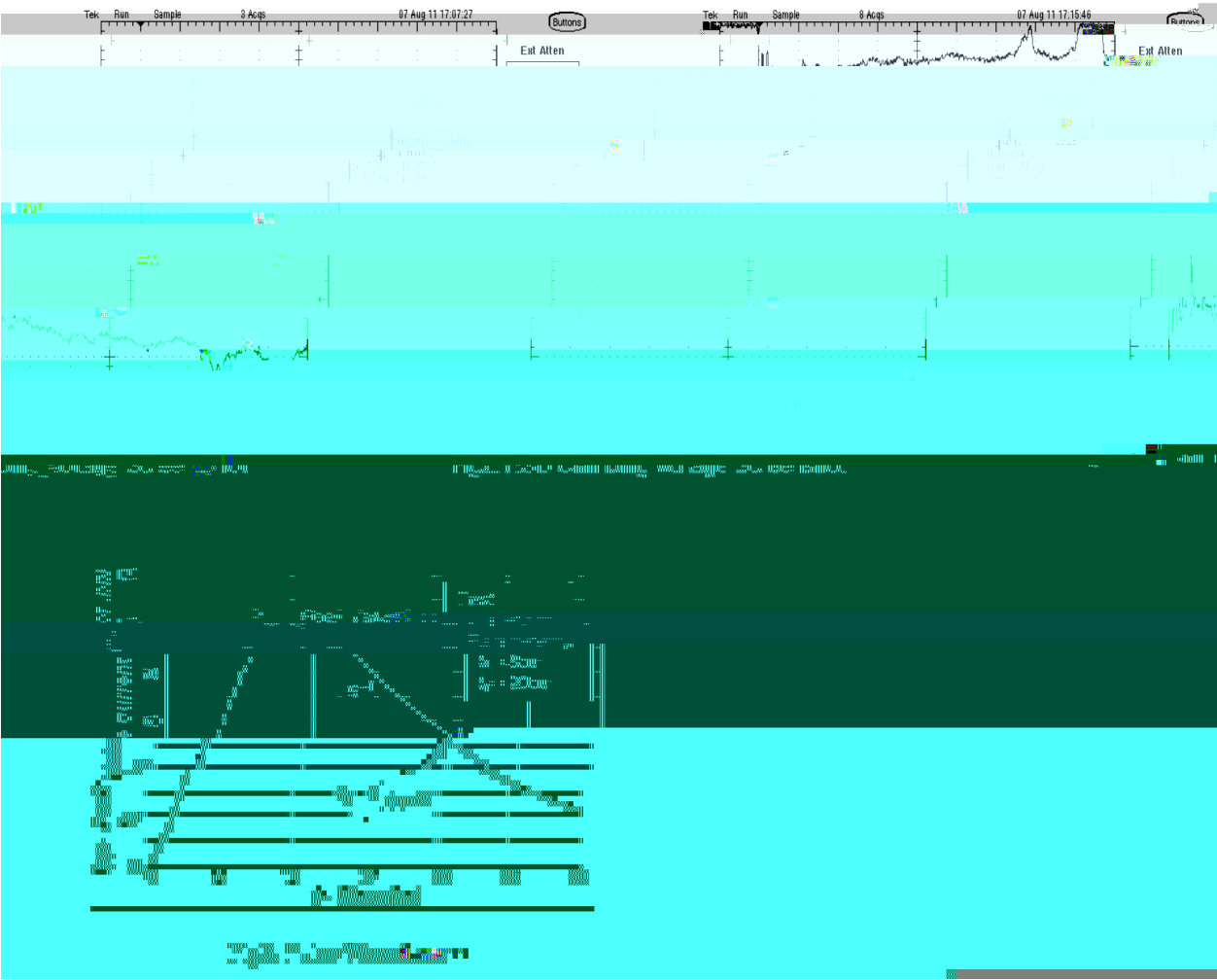
| Parameter                               | Symbol    | Test Conditions                                | Min | Typ | Max  | Unit          |
|-----------------------------------------|-----------|------------------------------------------------|-----|-----|------|---------------|
| Reverse maximum working voltage         | $V_{RWM}$ |                                                |     |     | 3.3  | V             |
| Reverse leakage current                 | $I_R$     | $V_{RWM} = 3.3\text{V}$                        |     |     | 0.1  | $\mu\text{A}$ |
| Reverse breakdown voltage <sup>1)</sup> | $V_{BR}$  | $I_T = 1\text{mA}$                             | 5.0 |     | 6.8  | V             |
| Clamping voltage <sup>2)</sup>          | $V_C$     | $I_{PP} = 1\text{A}$ $t_p = 8/20\mu\text{s}$   |     |     | 9.8  | V             |
|                                         |           | $I_{PP} = 5.5\text{A}$ $t_p = 8/20\mu\text{s}$ |     |     | 12.5 | V             |
| Junction capacitance                    | $C_J$     | $V_R = 0\text{V}$ $f = 1\text{MHz}$            |     |     | 15   | pF            |

Notes:

1)  $V_{BR}$  is measured with a pulse test current  $I_T$  at an ambient temperature of  $25^\circ\text{C}$ .

2) Non-repetitive current pulse, according to IEC61000-4-5.

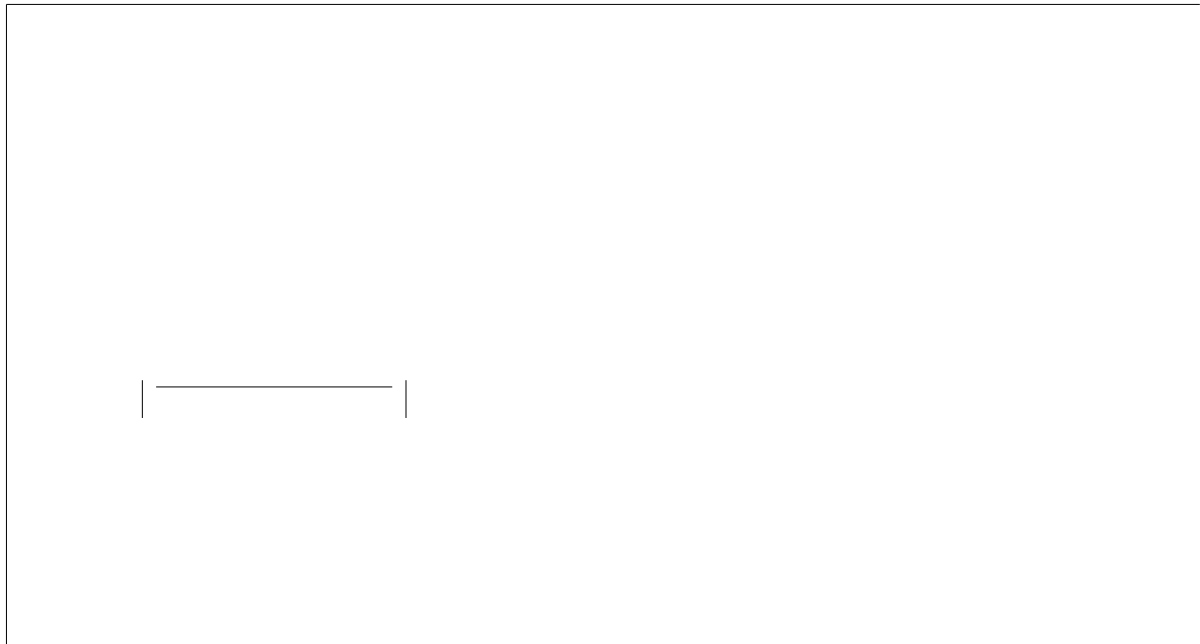
/ Electrical Characteristic Curve



/ Package Dimensions

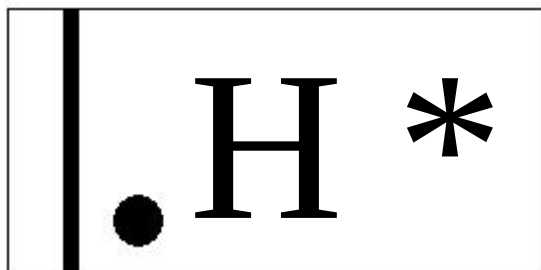
DFN0603

Unit:mm





**/ Marking Instructions**



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Note

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Product Type

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Lot No. Code,code change with Lot No

(     ) / Temperature Profile for IR Reflow Soldering(Pb-Free)

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- 1            150   180%            60   90sec;

2            245 <sup>±</sup> 5%                    5 <sup>±</sup> 0.5sec;

3                    2   10%/sec.
- Note:

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

2.Peak Temp.:245 <sup>±</sup> 5%, Duration:5 <sup>±</sup> 0.5sec.

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

/ Resistance to Soldering Heat Test Conditions

605 <sup>±</sup> 5%