# LN1871Y5TR

Surface Mounting Chip LED

S-GW Type

#### Absolute Maximum Ratings $T_a = 25^{\circ}C$

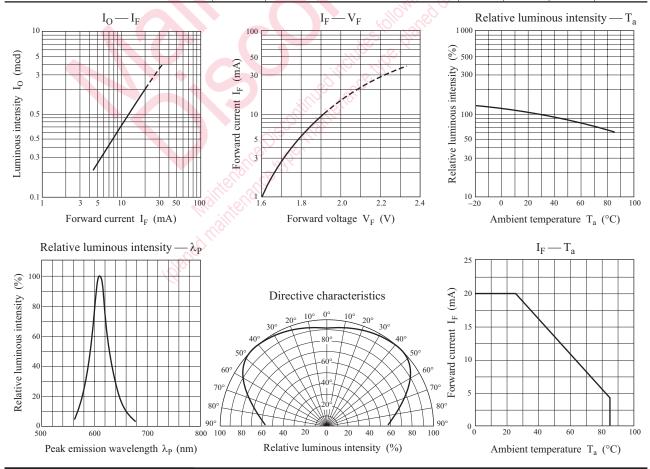
| Parameter                     | Symbol           | Rating      | Unit |  |
|-------------------------------|------------------|-------------|------|--|
| Power dissipation             | P <sub>D</sub>   | 60          | mW   |  |
| Forward current               | I <sub>F</sub>   | 20          | mA   |  |
| Pulse forward current *       | I <sub>FP</sub>  | 60          | mA   |  |
| Reverse voltage               | V <sub>R</sub>   | 3           | V    |  |
| Operating ambient temperature | T <sub>opr</sub> | -25 to +85  | °C   |  |
| Storage temperature           | T <sub>stg</sub> | -30 to +100 | °C   |  |

Lighting Color

Note) \*: The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec.

#### Electro-Optical Characteristics $T_a = 25^{\circ}C$

| I d                      |                |                       |            |          | X.   | 0-1111 |      |
|--------------------------|----------------|-----------------------|------------|----------|------|--------|------|
| Parameter                | Symbol         |                       | Conditions | Min      | Тур  | Max    | Unit |
| Luminous intensity       | Io             | $I_F = 10 \text{ mA}$ |            | 0.3      | 0.8  | 2      | mcd  |
| Reverse current          | I <sub>R</sub> | $V_R = 3 V$           |            |          | 1000 | 10     | μΑ   |
| Forward voltage          | V <sub>F</sub> | $I_F = 10 \text{ mA}$ |            | (00, cc) | 1.93 | 2.6    | V    |
| Peak emission wavelength | $\lambda_P$    | $I_F = 10 \text{ mA}$ | illes and  | din      | 610  |        | nm   |
| Spectral half band width | Δλ             | $I_F = 10 \text{ mA}$ | in Oni     | <i>.</i> | 40   |        | nm   |

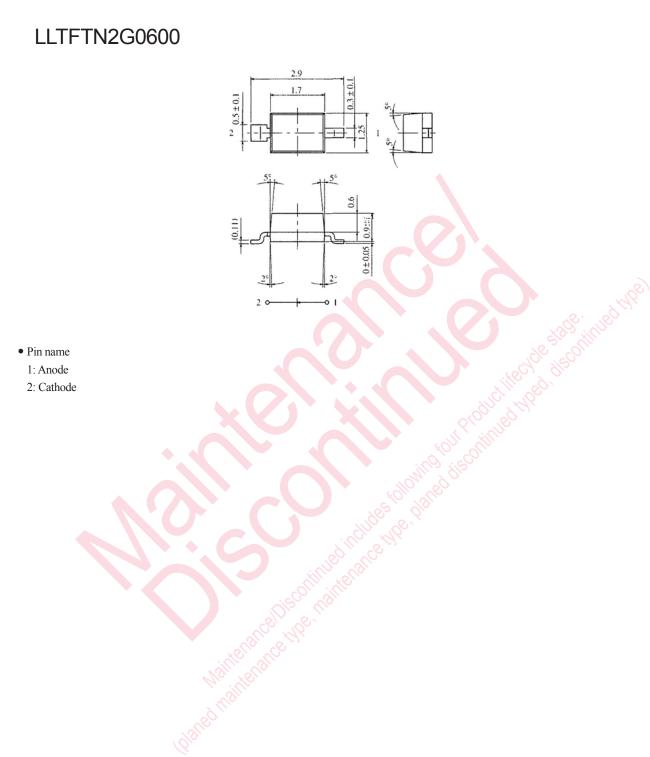


<sup>•</sup> Soft Orange

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## **Panasonic**

Package (Unit: mm)



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