

# LNJ03004GLD1

## Surface Mounting Chip LED

3230 Type

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

| Parameter                     | Symbol    | Rating      | Unit             |
|-------------------------------|-----------|-------------|------------------|
| Power dissipation             | $P_D$     | 860         | mW               |
| Forward current *1            | $I_F$     | 120         | mA               |
| Pulse forward current *2      | $I_{FP}$  | 200         | mA               |
| Junction temperature          | $T_j$     | 110         | $^\circ\text{C}$ |
| Operating ambient temperature | $T_{opr}$ | -30 to +85  | $^\circ\text{C}$ |
| Storage temperature           | $T_{stg}$ | -40 to +100 | $^\circ\text{C}$ |

Note) \*1:  $I_F$  is different by radiated factor of evaluation board.

This value is mounted on evaluation board at  $R_{thj-a} = 25.0^\circ\text{C/W}$ .

\*2: The condition of pulse current  $I_{FP}$  is 55 ms pulse width, 10 % duty.

### Lighting Color

- White (2700 [Kelvin])

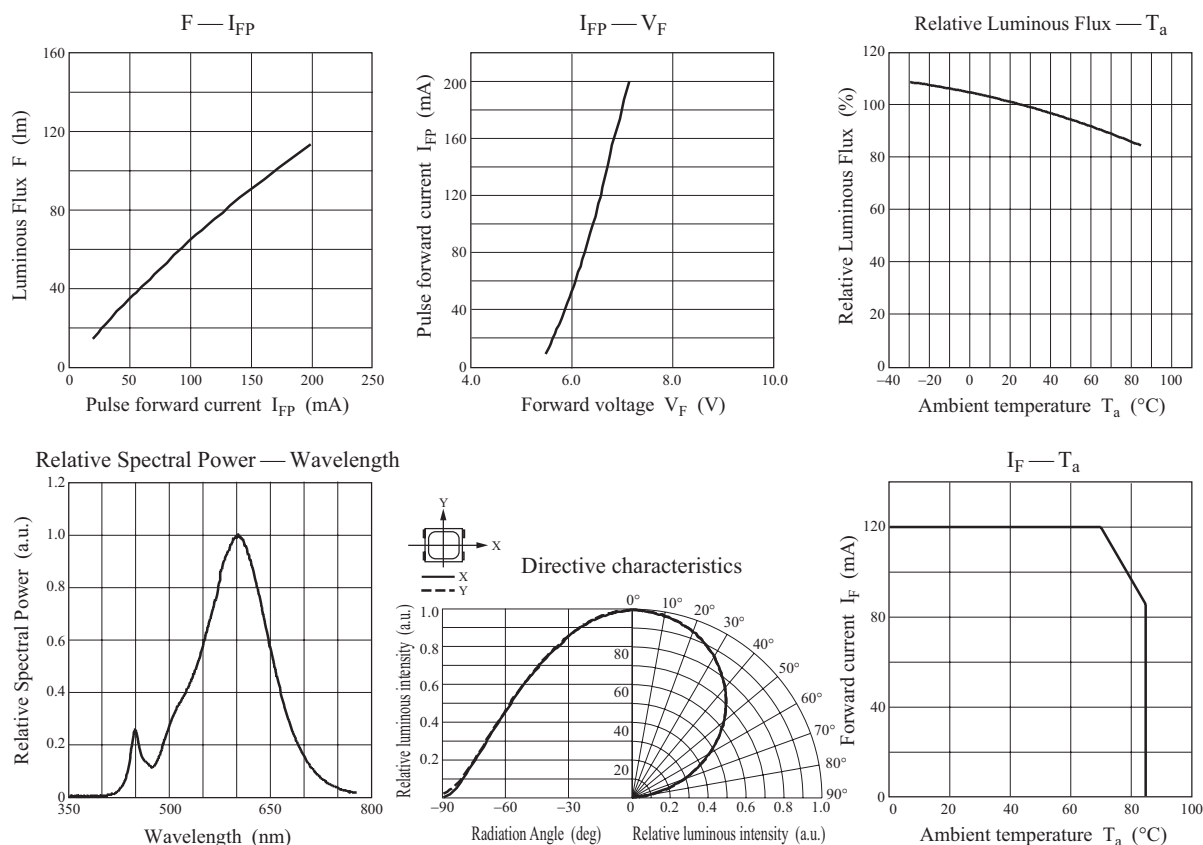
### Electro-Optical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

| Parameter                   | Symbol | Conditions              | Min  | Typ   | Max  | Unit |
|-----------------------------|--------|-------------------------|------|-------|------|------|
| Forward voltage *1          | $V_F$  | $I_{FP} = 75\text{ mA}$ | 5.7  | 6.2   | 6.7  | V    |
| Luminous flux *2            | $F$    | $I_{FP} = 75\text{ mA}$ | 37.0 | 50.0  | 66.0 | lm   |
| Chromaticity coordinates *3 | x      | $I_{FP} = 75\text{ mA}$ |      | 0.459 |      | —    |
|                             | y      | $I_{FP} = 75\text{ mA}$ |      | 0.412 |      | —    |
| Color Rendering Index       | Ra     | $I_{FP} = 75\text{ mA}$ |      | 82    |      | —    |

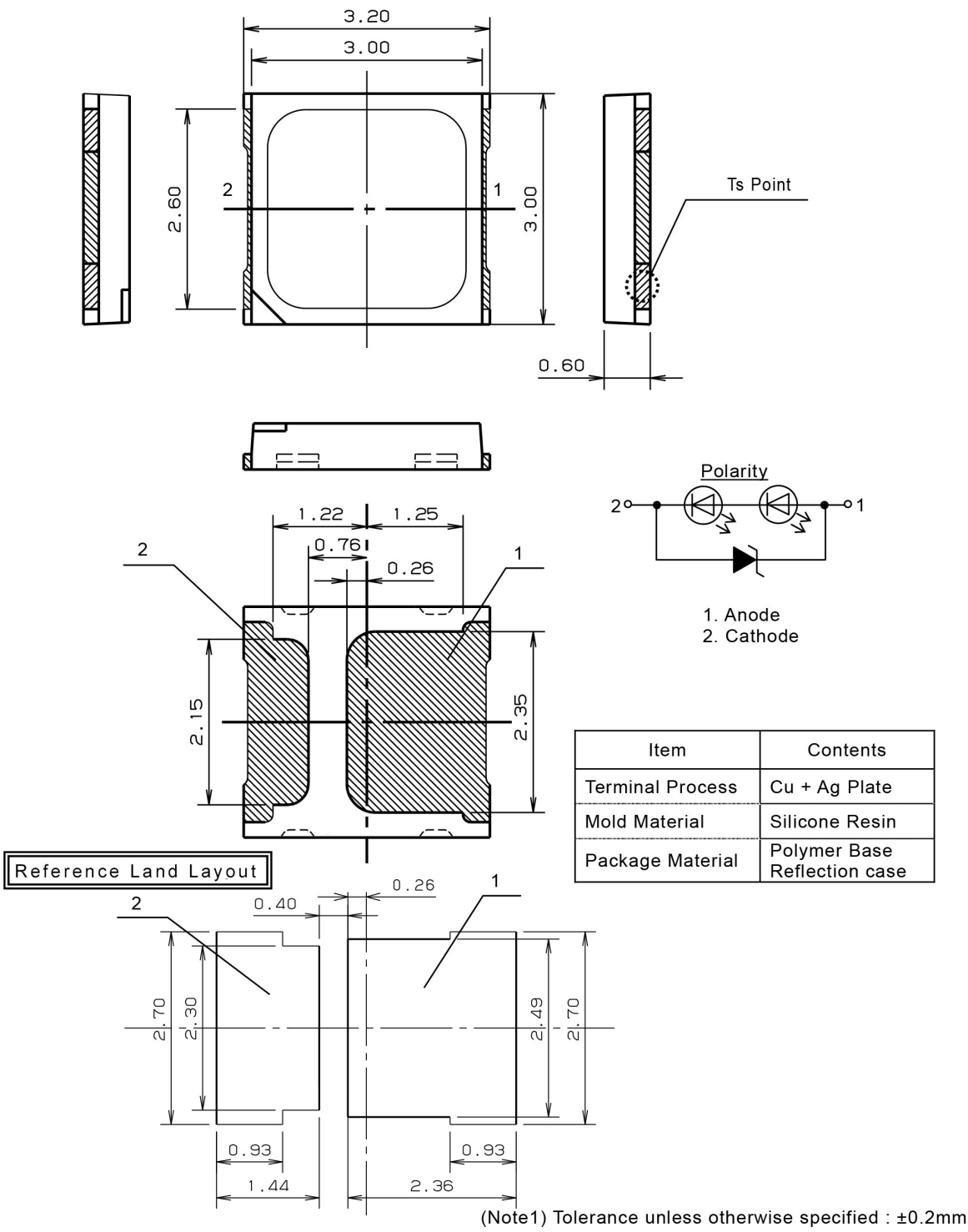
Note) \*1: Complete Forward Voltage measurement within 0.1 seconds. Tolerance  $\pm 3\%$

\*2: Complete Luminous flux measurement within 0.1 seconds. Tolerance  $\pm 10\%$

\*3: Complete Chromaticity coordinates measurement within 0.1 seconds. Tolerance of chromaticity is  $\pm 0.01$



■ Package (Unit: mm)



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