

# 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 <sup>*1</sup>	$I_F$	120	mA
Pulse forward current <sup>*2</sup>	$I_{FP}$	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  $R_{thj-a} = 25.0 \text{ }^\circ\text{C/W}$ .

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

### ■ Lighting Color

- White (2700 [Kelvin])

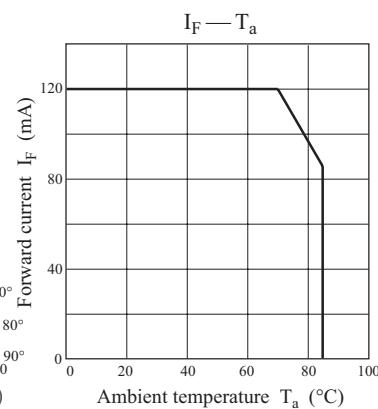
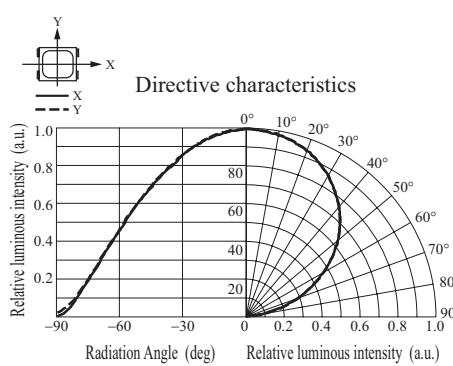
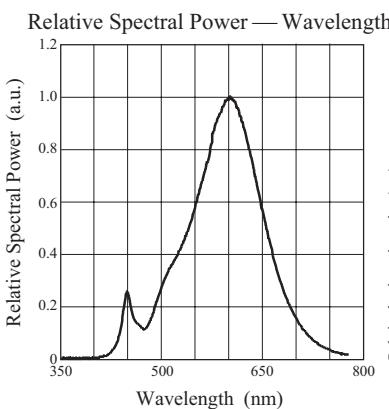
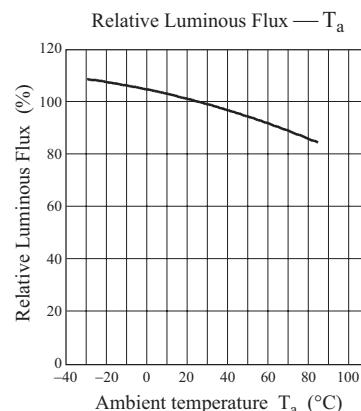
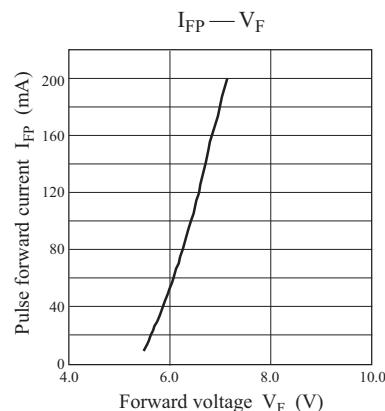
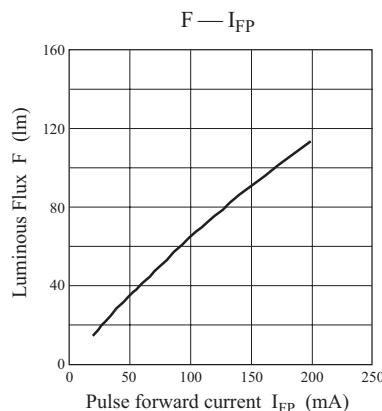
### ■ Electro-Optical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

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

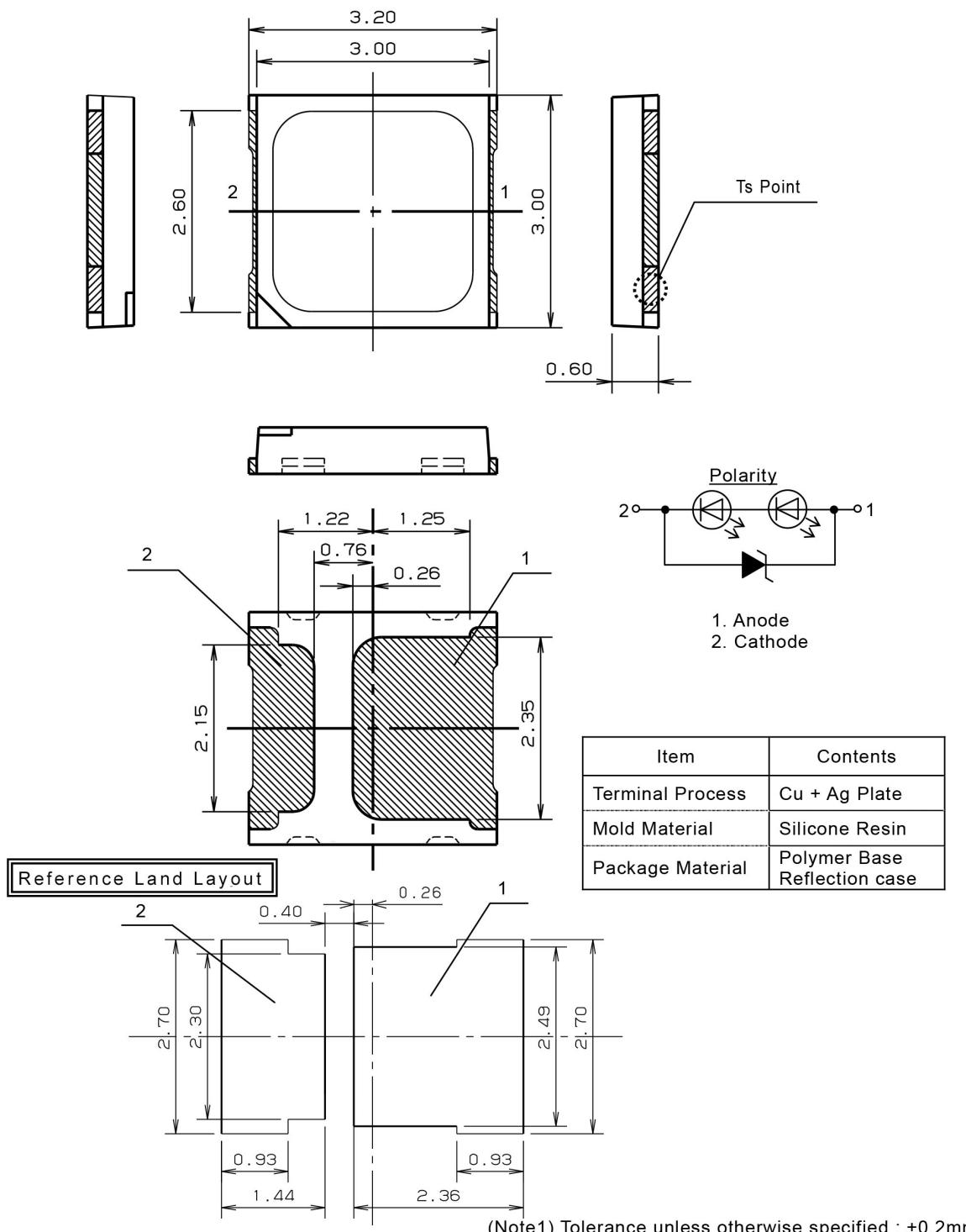
Note) \*1: Complete Forward Voltage measurement within 0.1 seconds. Tolerance  $\pm 3\%$

\*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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