

LNJ123W8RRA

Surface Mounting Chip LED

SV (Side View) -2 Type

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

- Yellow Green

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	50	mW
Forward current	I_F	20	mA
Pulse forward current *	I_{FP}	60	mA
Reverse voltage	V_R	4	V
Operating ambient temperature	T_{opr}	-30 to +85	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +100	$^\circ\text{C}$

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

■ Lighting Color

- Yellow Green
- Orange

- Orange

Parameter	Symbol	Rating	Unit
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Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.

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

- Yellow Green

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity *1	I_O	$I_F = 10\text{ mA}$	15	20	30	mc
Forward current	I_R	$V_R = 4\text{ V}$			100	μA
Forward voltage	V_F	$I_F = 10\text{ mA}$		2.0	2.5	V
Peak emission wavelength	λ_p	$I_F = 10\text{ mA}$		575		nm
Dominant emission wavelength *2	λ_d	$I_F = 10\text{ mA}$	569	572	575	nm
Spectral half band width	$\Delta\lambda$	$I_F = 10\text{ mA}$		15		nm

Note) *1: Measurement tolerance: $\pm 20\%$ *2: Measurement tolerance: $\pm 3\text{ nm}$

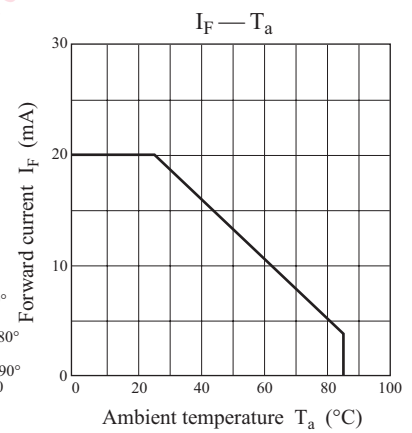
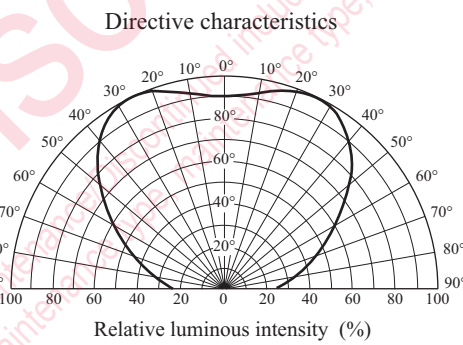
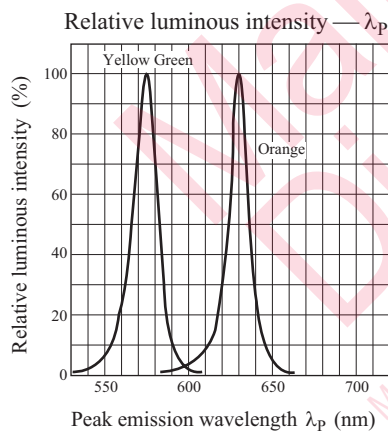
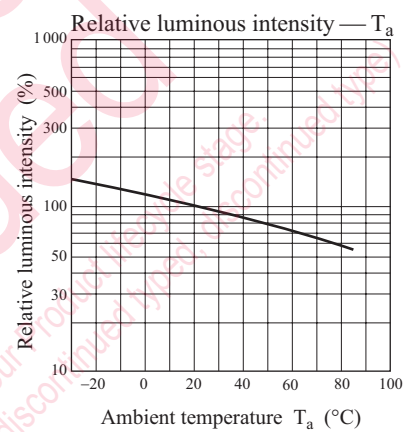
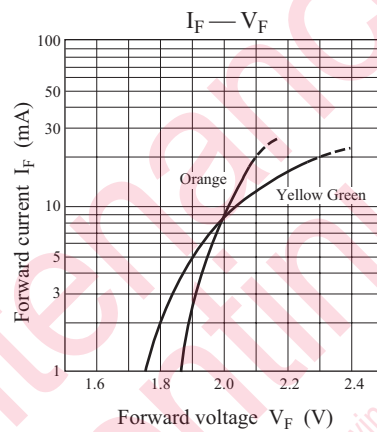
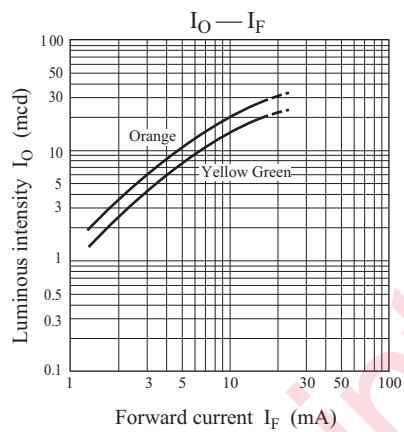
■ Electro-Optical Characteristics (Continued) $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

• Orange

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity ^{*1}	I_O	$I_F = 10 \text{ mA}$	20	30	40	mcd
Reverse current	I_R	$V_R = 4 \text{ V}$			100	μA
Forward voltage	V_F	$I_F = 10 \text{ mA}$		2.05	2.5	V
Peak emission wavelength	λ_P	$I_F = 10 \text{ mA}$		630		nm
Dominant emission wavelength ^{*2}	λ_d	$I_F = 10 \text{ mA}$	610	620	630	nm
Spectral half band width	$\Delta\lambda$	$I_F = 10 \text{ mA}$		15		nm

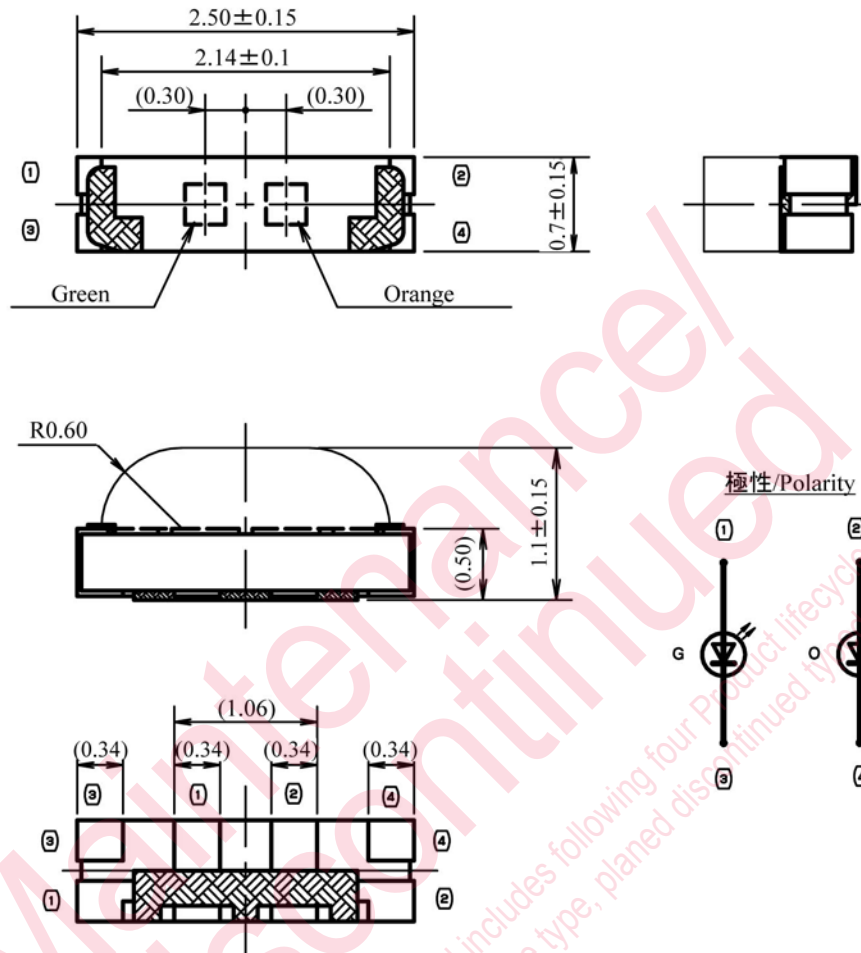
Note) *1: Measurement tolerance: $\pm 20\%$

*2: Measurement tolerance: $\pm 3 \text{ nm}$



■ Package (Unit: mm)

KLTF5N4K2340



• Pin name

- 1, 2: Anode
- 3, 4: Cathode

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