

LNJ167W8RRA

Hight Bright Surface Mounting Chip LED

ESS Type

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

- Green

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	55	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

- Green
- Red

- Red

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	55	mW
Forward current	I_F	20	mA
Pulse forward current *	I_{FP}	60	mA
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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.

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

- Green

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity *1	I_O	$I_F = 5 \text{ mA}$	4.0	7.5	37.0	mcd
Forward current	I_R	$V_R = 4 \text{ V}$			100	μA
Forward voltage	V_F	$I_F = 5 \text{ mA}$		1.95	2.30	V
Peak emission wavelength	λ_p	$I_F = 5 \text{ mA}$		575		nm
Dominant emission wavelength *2	λ_d	$I_F = 5 \text{ mA}$	561	572	576	nm
Spectral half band width	$\Delta\lambda$	$I_F = 5 \text{ mA}$		15		nm

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

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

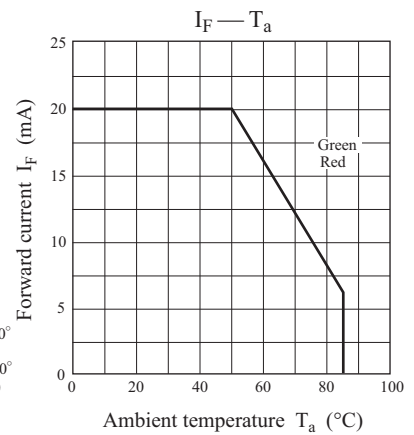
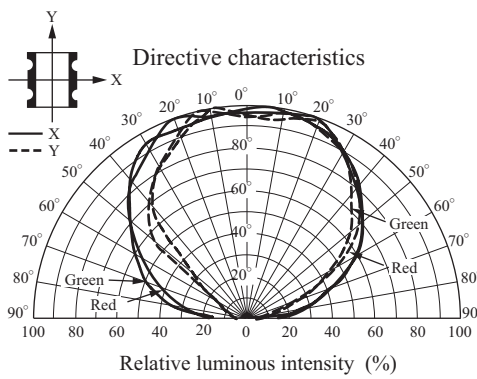
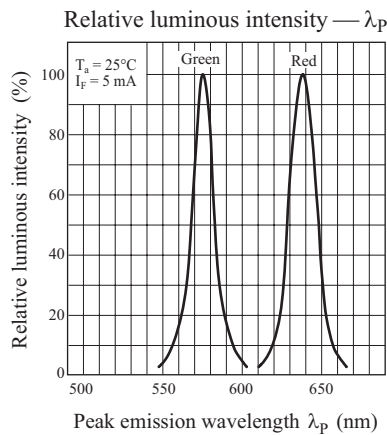
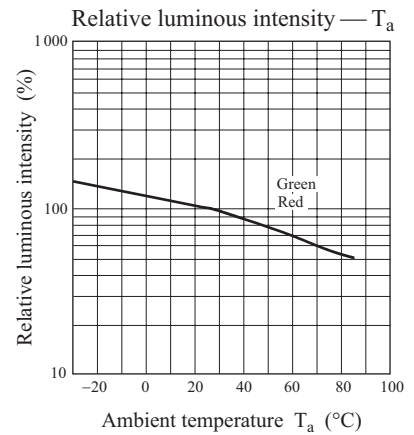
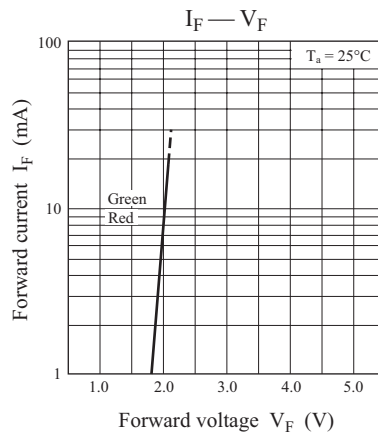
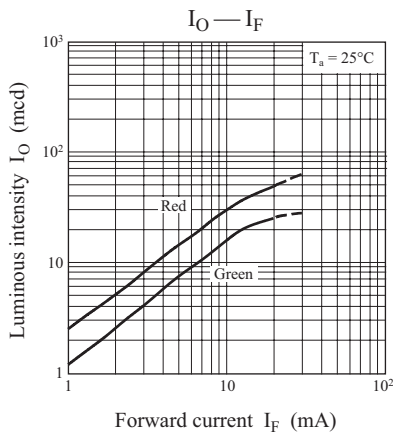
■ Electro-Optical Characteristics (Continued) $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

• Red

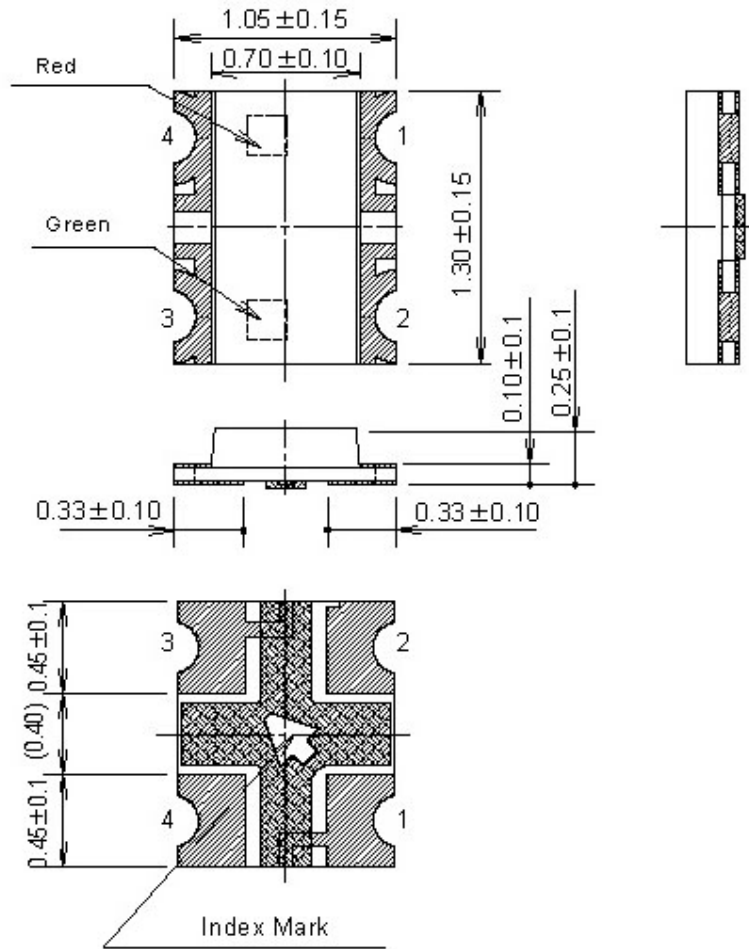
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity ^{*1}	I_O	$I_F = 5 \text{ mA}$	11.0	15.0	52.0	mcd
Reverse current	I_R	$V_R = 4 \text{ V}$			100	μA
Forward voltage	V_F	$I_F = 5 \text{ mA}$		1.95	2.30	V
Peak emission wavelength	λ_p	$I_F = 5 \text{ mA}$		638		nm
Dominant emission wavelength ^{*2}	λ_d	$I_F = 5 \text{ mA}$	615	628	634	nm
Spectral half band width	$\Delta\lambda$	$I_F = 5 \text{ mA}$		20		nm

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

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



■ Package (Unit: mm)



• Pin name

- 1: Anode (Red)
- 2: Anode (Green)
- 3: Cathode (Green)
- 4: Cathode (Red)

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