# **LNJ314G83RA**

### Hight Bright Surface Mounting Chip LED

USS Type

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

Parameter	Symbol	Rating	Unit	
Power dissipation	P <sub>D</sub>	40	mW	
Forward current	I <sub>F</sub>	15	mA	
Pulse forward current *	I <sub>FP</sub>	50	mA	
Reverse voltage	V <sub>R</sub>	4	V	
Operating ambient temperature	T <sub>opr</sub>	-30 to +85	°C	
Storage temperature	T <sub>stg</sub>	-40 to +100	°C	

Lighting Color

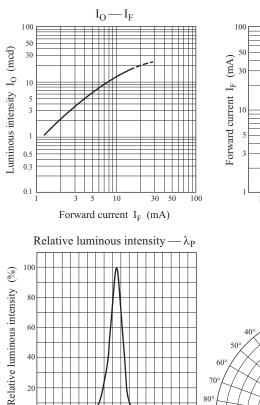
• Yellow Green

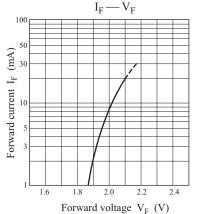
Note) \*: The condition of I<sub>FP</sub> is duty 10%, Pulse width 1 msec.

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Luminous intensity *	I <sub>O</sub>	$I_{\rm F} = 10  {\rm mA}$	6.4	12		mcd
Reverse current	I <sub>R</sub>	$V_R = 4 V$			100	μA
Forward voltage	V <sub>F</sub>	$I_{\rm F} = 10  {\rm mA}$		2.03	2.50	V
Peak emission wavelength	$\lambda_{\rm P}$	$I_{\rm F} = 10 \text{ mA}$		575		nm
Spectral half band width	Δλ	$I_{\rm F} = 10 \ {\rm mA}$		15		nm

Note) \*: Measurement tolerance: ±20%





Directive characteristics

0 109

30

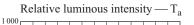
80

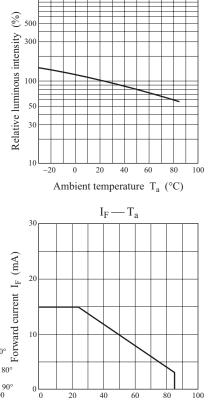
90°

650

100

80 60 40







Publication date: December 2016

500

550

Peak emission wavelength  $\lambda_P \ (nm)$ 

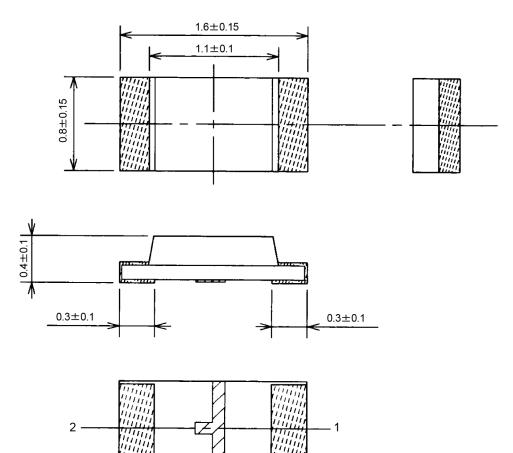
600

0

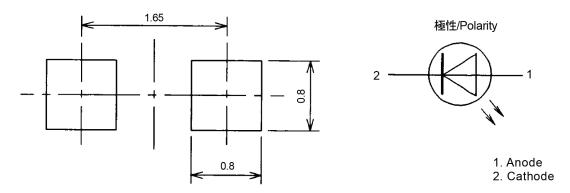
0 20 40 60 80 100

Relative luminous intensity (%)

#### Package (Unit: mm)



<推奨パターン/Recommended land layout>



(注 1) パッケージ寸法については電極バリを含まない。(Note1) Electrode projection is not included in the package dimensions.

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