# LNJ453W82RA

## Hight Bright Surface Mounting Chip LED

SV (Side View) Type

### ■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	eter Symbol Ra		Unit	
Power dissipation	$P_{\mathrm{D}}$	55	mW	
Forward current	$I_{\mathrm{F}}$	20	mA	
Pulse forward current *	$I_{FP}$	60	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	

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

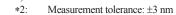
#### ■ Lighting Color

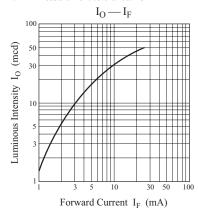
Amber

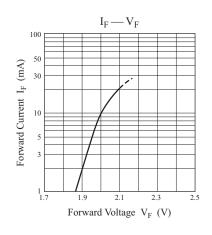
#### ■ Electro-Optical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

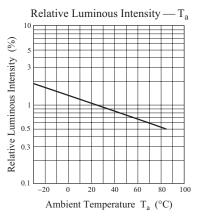
a								
Parameter	Symbol	Conditions	Min	Тур	Max	Unit		
Luminous intensity *1	I <sub>O</sub>	$I_F = 5 \text{ mA}$	6.0	18.0	63.2	mcd		
Reverse current	$I_R$	$V_R = 4 V$			100	μΑ		
Forward voltage	V <sub>F</sub>	$I_F = 5 \text{ mA}$		1.95	2.30	V		
Peak emission wavelength	$\lambda_{\mathrm{P}}$	$I_F = 5 \text{ mA}$		595		nm		
Spectral half band width	Δλ	$I_F = 5 \text{ mA}$		15		nm		
Dominant emission wavelength *2	$\lambda_{\mathrm{d}}$	$I_F = 5 \text{ mA}$	584	589	596	nm		

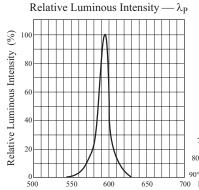
Note) \*1: Measurement tolerance:  $\pm 20\%$ 



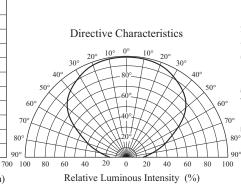


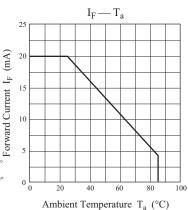




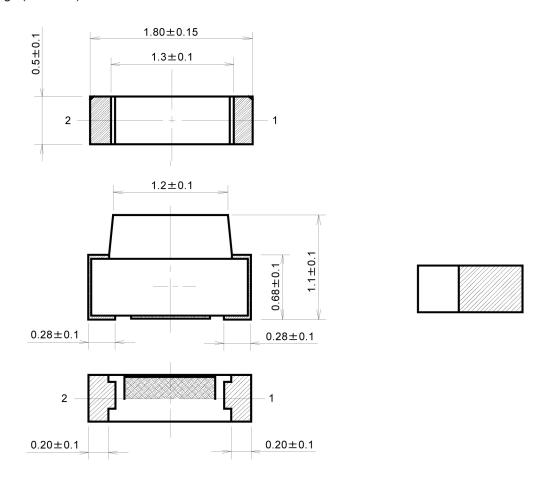


Peak Emission Wavelength  $\lambda_P$  (nm)





### ■ Package (Unit: mm)



• Pin name

2

- 1: Anode
- 2: Cathode

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