# LNJ337W83RA

### Hight Bright Surface Mounting Chip LED

#### ESS II Type

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

Parameter	Symbol	Rating	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

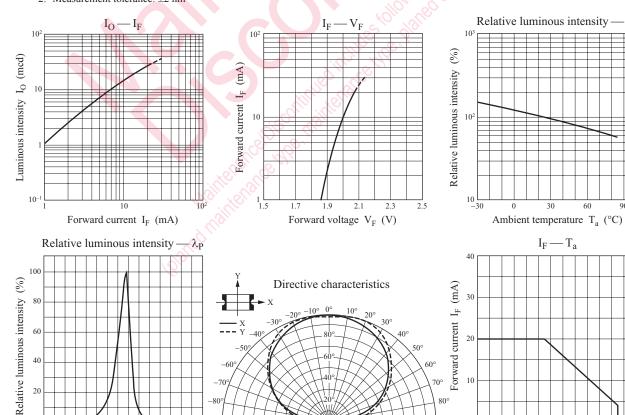
• Yellow Green

### ■ Electro-Optical Characteristics $T_a = 25$ °C±3°C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Luminous intensity *1	I <sub>O</sub>	$I_F = 5 \text{ mA}$	4.0	7.5	28.0	mcd
Reverse current	$I_R$	$V_R = 4 V$		~10/6 "	100	μΑ
Forward voltage	V <sub>F</sub>	$I_F = 5 \text{ mA}$	111	1.95	2.30	V
Peak emission wavelength	$\lambda_{ m P}$	$I_F = 5 \text{ mA}$	YIL.	575		nm
Dominant emission wavelength *2	$\lambda_{ m d}$	$I_F = 5 \text{ mA}$	566	572	576	nm
Spectral half band width	Δλ	$I_F = 5 \text{ mA}$	dille	20		nm

Note) \*1: Measurement tolerance: ±20%

<sup>\*2:</sup> Measurement tolerance: ±2 nm



650 100

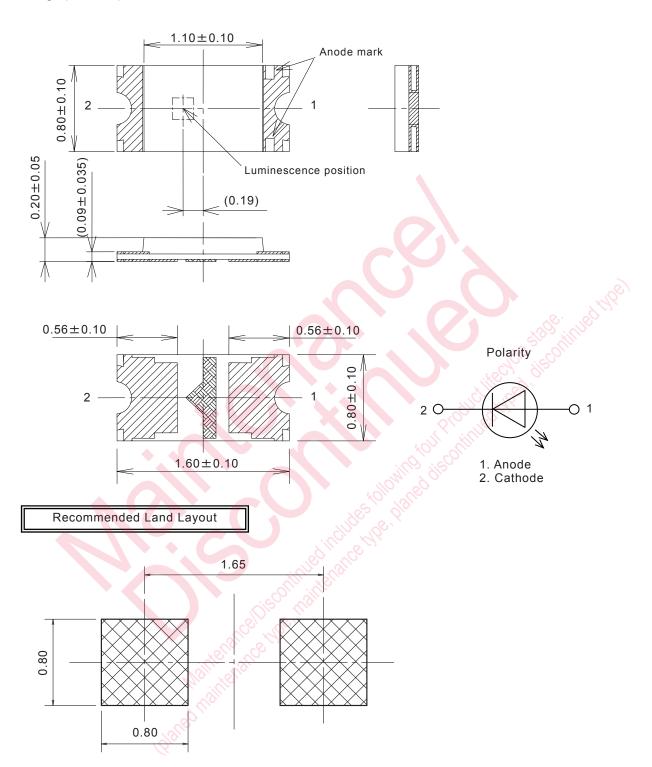
Peak emission wavelength  $\lambda_P$  (nm)

Relative luminous intensity (%)

20

Ambient temperature T<sub>a</sub> (°C)

#### ■ Package (Unit: mm)



(Note1)Electrode projection is not included in the package dimensions. (Note2)About solder thickness, please examine the products yourself completely. (Recommended thickness:  $t=0.10 \text{ mm} \sim 0.15 \text{ mm}$ )

2 Ver. CEK

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