# LNJ8W0C83RA

### Hight Bright Surface Mounting Chip LED

Wide Angle 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  $I_{FP}$  is duty 10%, Pulse width 1 msec.

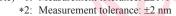
#### ■ Electro-Optical Characteristics $T_a = 25$ °C±3°C

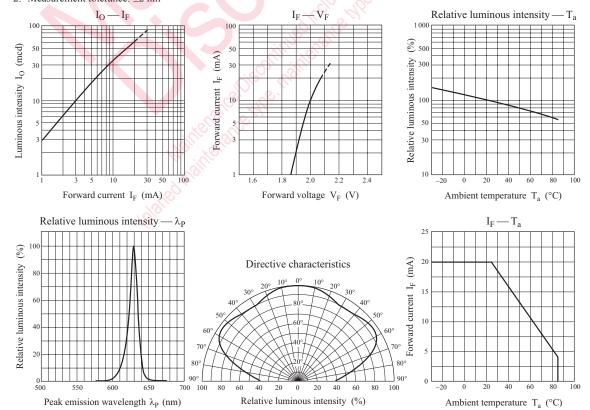
Lighting	Color

Orange

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Luminous intensity *1	$I_{O}$	$I_F = 5 \text{ mA}$	9.0	17.5	COLL	mcd
Reverse current	$I_R$	$V_R = 4 V$	1:5	$8C_{J} \stackrel{7}{/} 9$	100	μΑ
Forward voltage	V <sub>F</sub>	$I_F = 5 \text{ mA}$	YIJC'L	1.95	2.30	V
Peak emission wavelength	$\lambda_{ m P}$	$I_F = 5 \text{ mA}$	100,1180	630		nm
Dominant emission wavelength *2	$\lambda_{ m d}$	$I_F = 5 \text{ mA}$	615	620	627	nm
Spectral half band width	Δλ	$I_F = 5 \text{ mA}$	30	13		nm
Viewing angle	2θ <sub>1/2</sub>	$I_F = 5 \text{ mA}$		165		o

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



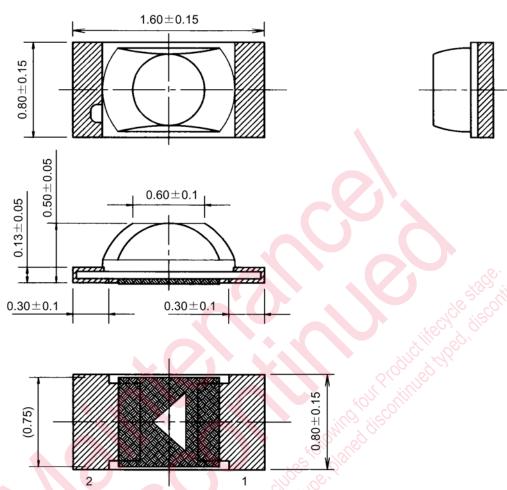


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**Panasonic** 

#### ■ Package (Unit: mm)

### KLTLTN2KW000



- Pin name
  - 1: Anode
  - 2: Cathode

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