# LNJ836W83RA

### Hight Bright Surface Mounting Chip LED

#### **ESS Type**

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

Parameter	Symbol	Rating	Unit	
Power dissipation	$P_{D}$	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	

■ Lighting Color

Orange

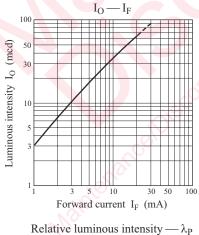
Note) \*: The condition of I<sub>FP</sub> is duty 10%, Pulse width 1 msec.

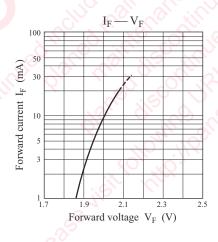
#### ■ Electro-Optical Characteristics $T_a = 25$ °C±3°C

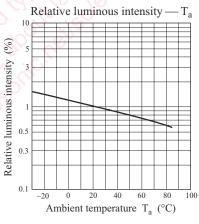
Parameter	Symbol		Conditions	Min	Тур	Max	Unit
Luminous intensity *1	$I_{O}$	$I_F = 5 \text{ mA}$		11.5	17.5	47.3	mcd
Reverse current	$I_R$	$V_R = 4 V$				100	μΑ
Forward voltage	V <sub>F</sub>	$I_F = 5 \text{ mA}$	4000		1.95	2.30	V
Peak emission wavelength	$\lambda_{\mathrm{P}}$	$I_F = 5 \text{ mA}$	1100 12K		630	2	nm
Dominant emission wavelength *2	$\lambda_{ m d}$	$I_F = 5 \text{ mA}$	M. Co	615	620	627	nm
Spectral half band width	Δλ	$I_F = 5 \text{ mA}$	101 of 100	76	13		nm

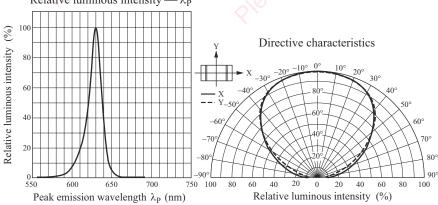
Note) \*1: Measurement tolerance: ±20%

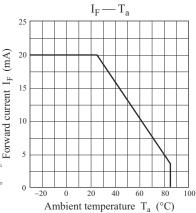










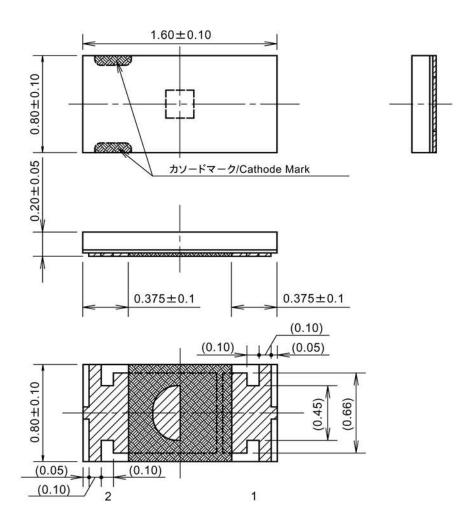


**Panasonic** 

LNJ836W83RA

■ Package (Unit: mm)

### KLTFTN2K3600



- Pin name
  - 1: Anode
  - 2: Cathode

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