# **LNJ115W89RA**

## Surface Mounting Chip LED

### TSS-2 Type

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

#### • Yellow Green

Parameter	Symbol	Rating	Unit	
Power dissipation	$P_{\mathrm{D}}$	60	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.

#### • Soft Orange

Parameter	Symbol	Rating	Unit	
Power dissipation	$P_{\mathrm{D}}$	55	mW	
Forward current	$I_{\mathrm{F}}$	20	mA	
Pulse forward current *	I <sub>FP</sub>	60	mA	
Reverse voltage	V <sub>R</sub>	4	V	
Operating ambient temperature	T <sub>opr</sub>	-30 to +80	°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.

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

#### • Yellow Green

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Luminous intensity	I <sub>O</sub>	$I_F = 10 \text{ mA}$	1.8	5.0		med
Reverse current	$I_R$	$V_R = 4 V$			10	μΑ
Forward voltage	$V_{\mathrm{F}}$	$I_F = 10 \text{ mA}$		2.03	2.6	V
Peak emission wavelength	$\lambda_{ m P}$	$I_F = 10 \text{ mA}$		565		nm
Spectral half band width	Δλ	$I_F = 10 \text{ mA}$		30		nm

### ■ Lighting Color

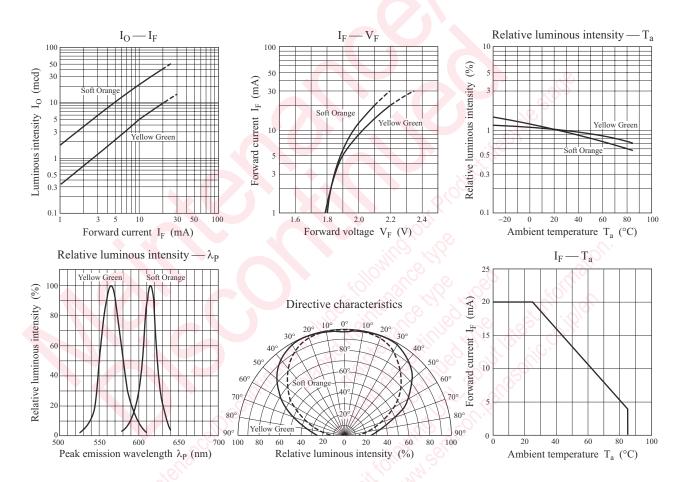
- Yellow Green
- Soft Orange

## **Panasonic**

## ■ Electro-Optical Characteristics (Continued) $T_a = 25$ °C

#### • Soft Orange

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Luminous intensity	$I_{O}$	$I_F = 10 \text{ mA}$	7	21		mcd
Reverse current	$I_R$	$V_R = 4 V$			100	μΑ
Forward voltage	$V_{\mathrm{F}}$	$I_F = 10 \text{ mA}$		1.95	2.5	V
Peak emission wavelength	$\lambda_{\mathrm{P}}$	$I_F = 10 \text{ mA}$		615		nm
Spectral half band width	Δλ	$I_F = 10 \text{ mA}$		20		nm

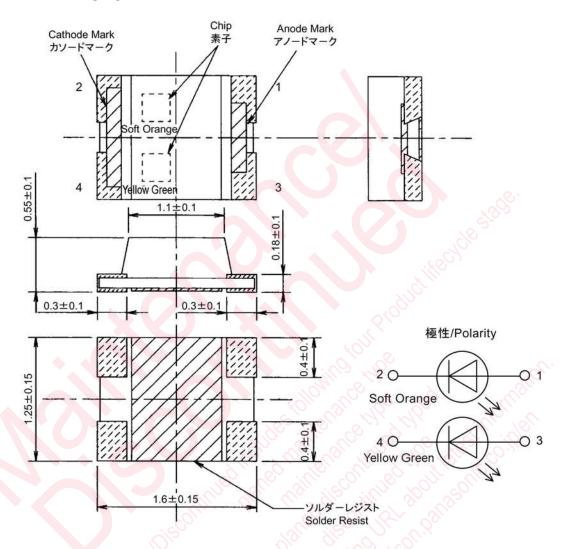


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Panasonic LNJ115W89RA

■ Package (Unit: mm)

## KLTFTN4K1540



- Pin name
  - 1, 3: Anode
  - 2, 4: Cathode

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