



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# LNJ115W8ARA

## Surface Mounting Chip LED

TSS-2 Type

**■ Absolute Maximum Ratings**  $T_a = 25^\circ\text{C}$ 

- Yellow Green

Parameter	Symbol	Rating	Unit
Power dissipation	$P_D$	60	mW
Forward current	$I_F$	20	mA
Pulse forward current *	$I_{FP}$	60	mA
Reverse voltage	$V_R$	4	V
Operating ambient temperature	$T_{opr}$	-30 to +85	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40 to +100	$^\circ\text{C}$

Note) \*: The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec.**■ Lighting Color**

- Yellow Green
- Orange

- Orange

Parameter	Symbol	Rating	Unit
Power dissipation	$P_D$	60	mW
Forward current	$I_F$	20	mA
Pulse forward current *	$I_{FP}$	60	mA
Reverse voltage	$V_R$	3	V
Operating ambient temperature	$T_{opr}$	-30 to +85	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40 to +100	$^\circ\text{C}$

Note) \*: The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec.**■ Electro-Optical Characteristics**  $T_a = 25^\circ\text{C}$ 

- Yellow Green

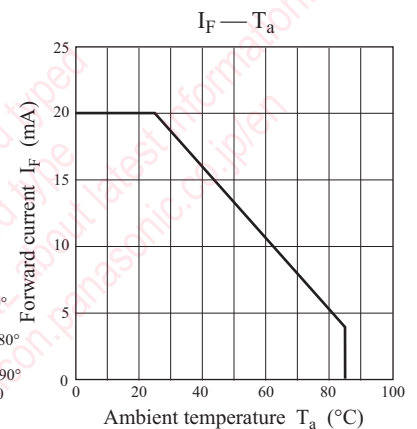
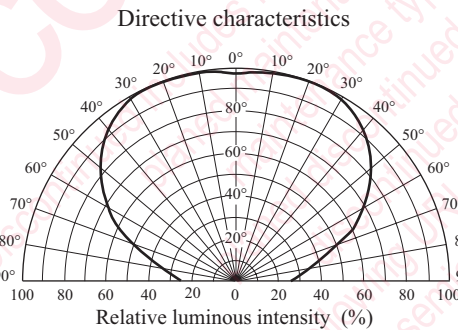
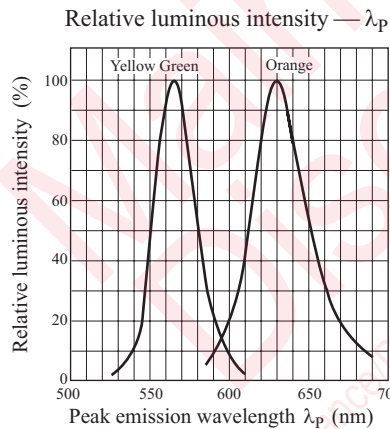
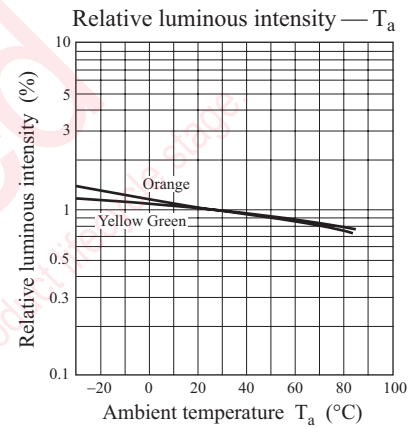
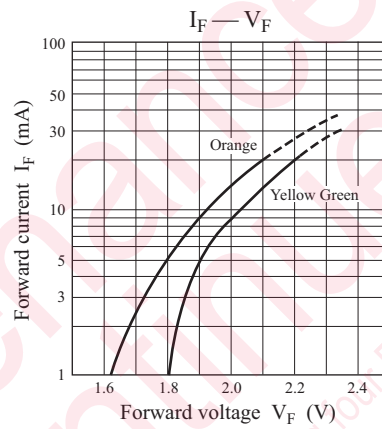
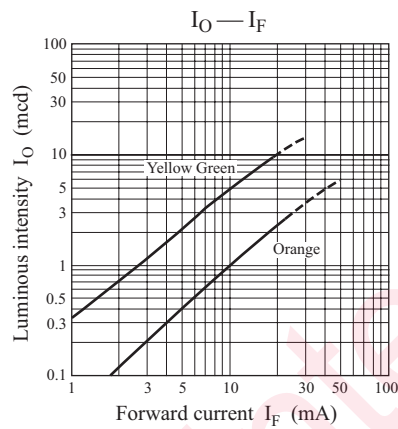
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	$I_O$	$I_F = 10\text{ mA}$	1.8	5.0		mc
Reverse current	$I_R$	$V_R = 4\text{ V}$			10	$\mu\text{A}$
Forward voltage	$V_F$	$I_F = 10\text{ mA}$		2.03	2.6	V
Peak emission wavelength	$\lambda_p$	$I_F = 10\text{ mA}$		565		nm
Spectral half band width	$\Delta\lambda$	$I_F = 10\text{ mA}$		30		nm

LNJ115W8ARA

**Panasonic**■ Electro-Optical Characteristics (Continued)  $T_a = 25^\circ\text{C}$ 

• Orange

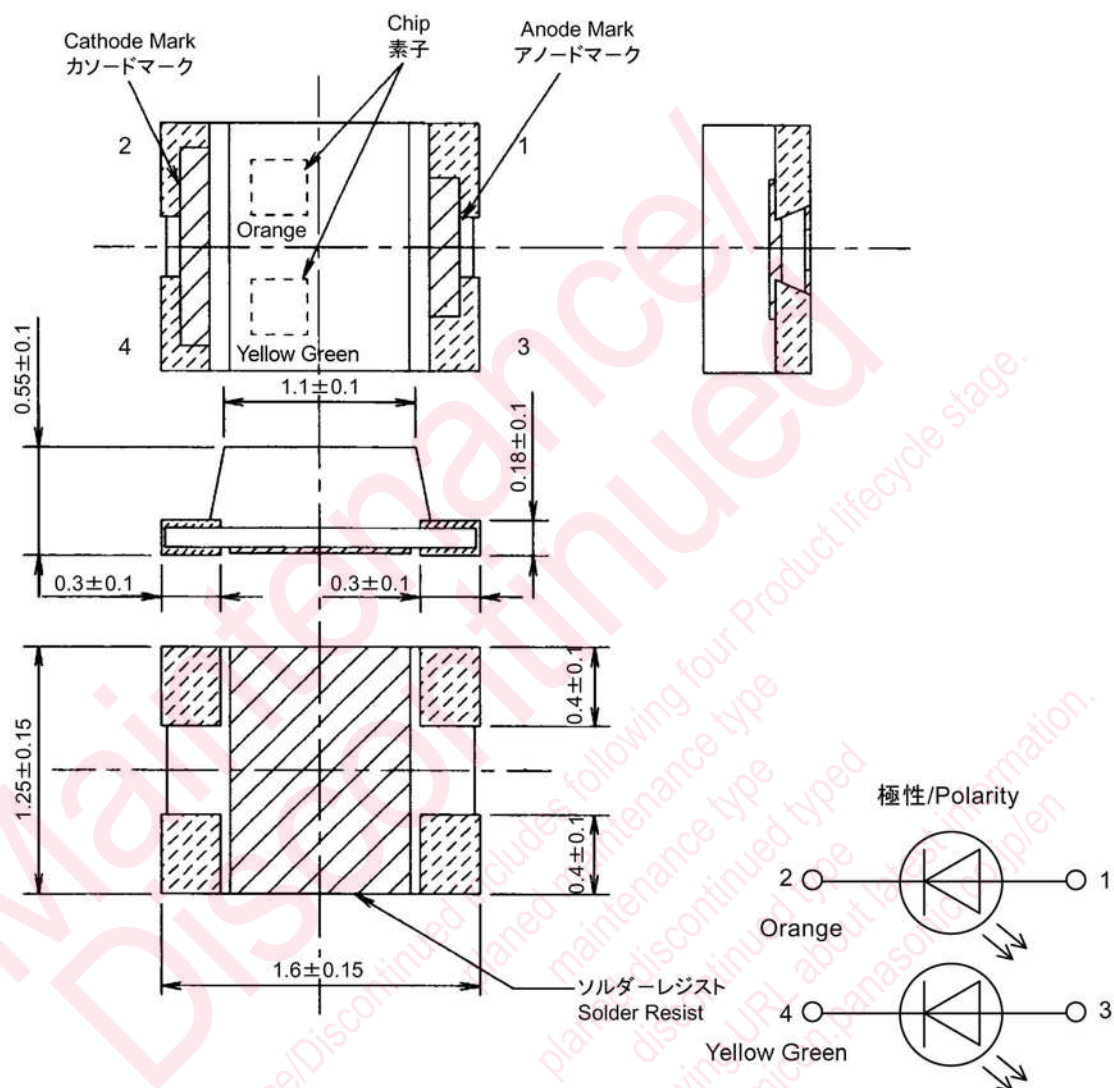
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	$I_O$	$I_F = 10\text{ mA}$	0.4	1.0		mcd
Reverse current	$I_R$	$V_R = 3\text{ V}$			10	$\mu\text{A}$
Forward voltage	$V_F$	$I_F = 10\text{ mA}$		1.93	2.6	V
Peak emission wavelength	$\lambda_p$	$I_F = 10\text{ mA}$		630		nm
Spectral half band width	$\Delta\lambda$	$I_F = 10\text{ mA}$		40		nm





■ Package (Unit: mm)

# KLTF4N4K1540



• Pin name

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

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