# imall

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

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## LNJ115W8PRA

Surface Mounting Chip LED

TSS-2 Type

#### Absolute Maximum Ratings $T_a = 25^{\circ}C$

• Yellow Green						
Parameter	Symbol	Rating	Unit			
Power dissipation	P <sub>D</sub>	60	mW			
Forward current	I <sub>F</sub>	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 +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.

#### • Red

Parameter	Symbol	Rating	Unit	
Power dissipation	P <sub>D</sub>	50	mW	
Forward current	I <sub>F</sub>	20	mA	
Pulse forward current *	I <sub>FP</sub>	60	mA	
Reverse voltage	V <sub>R</sub>	3	VV	
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.

#### Electro-Optical Characteristics $T_a = 25^{\circ}C$

• Yellow Green

				,		
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Luminous intensity	I <sub>O</sub>	$I_F = 10 \text{ mA}$	1.8	5.0	17.7	mcd
Reverse current	I <sub>R</sub>	$V_R = 4 V_{c}$			10	μΑ
Forward voltage	V <sub>F</sub>	$I_F = 10 \text{ mA}$		2.03	2.6	V
Peak emission wavelength	$\lambda_{\rm P}$	$I_F = 10 \text{ mA}$		565		nm
Spectral half band width	Δλ	$I_F = 10 \text{ mA}$		30		nm

## Lighting ColorYellow Green

• Red

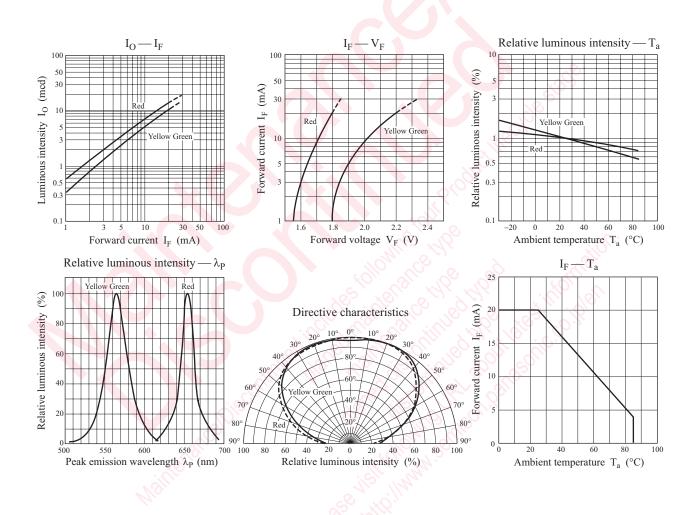
#### LNJ115W8PRA

### **Panasonic**

#### Electro-Optical Characteristics (Continued) $T_a = 25^{\circ}C$

• Red

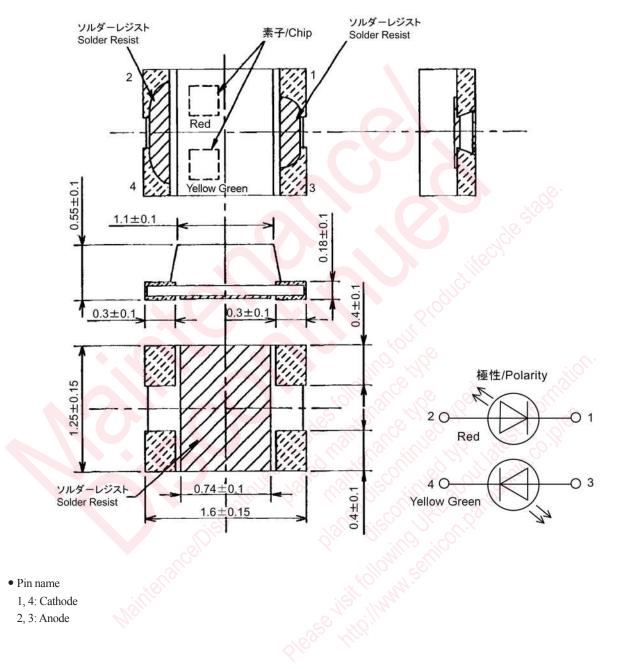
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Luminous intensity	I <sub>O</sub>	$I_F = 10 \text{ mA}$	2.2	6.7	18.8	mcd
Reverse current	I <sub>R</sub>	$V_R = 3 V$			100	μΑ
Forward voltage	V <sub>F</sub>	$I_{\rm F} = 10  {\rm mA}$		1.72	2.5	V
Peak emission wavelength	$\lambda_{\rm P}$	$I_{\rm F} = 10  {\rm mA}$		655		nm
Spectral half band width	Δλ	$I_{\rm F} = 10 \ {\rm mA}$		20		nm



### **Panasonic**

Package (Unit: mm)

### KLTFTN4K1540



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