

# LNJ115W8PRA

## 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
- Red

- Red

Parameter	Symbol	Rating	Unit
Power dissipation	$P_D$	50	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**  $T_a = 25^\circ\text{C}$ 

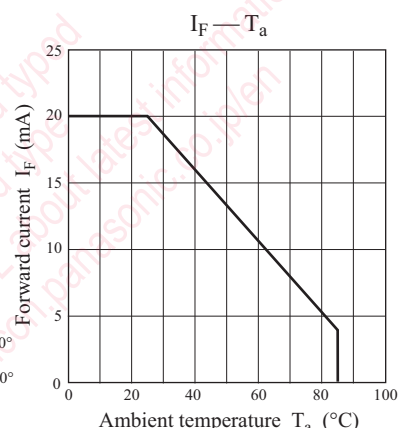
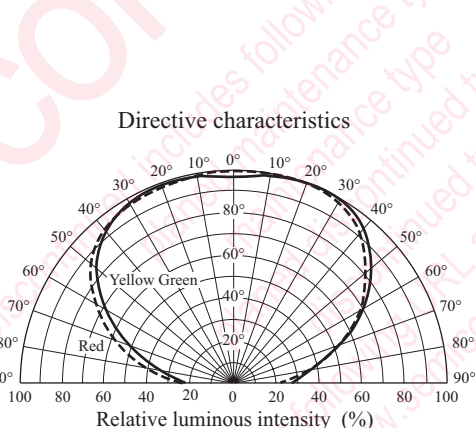
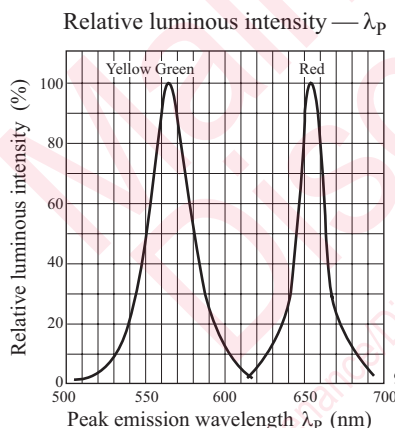
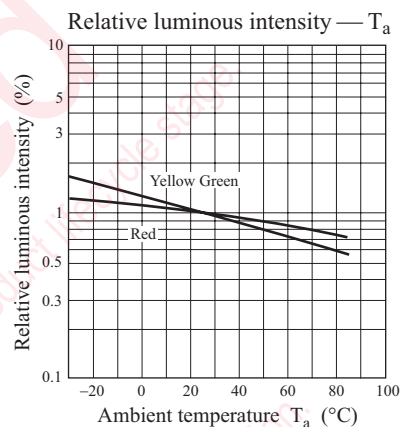
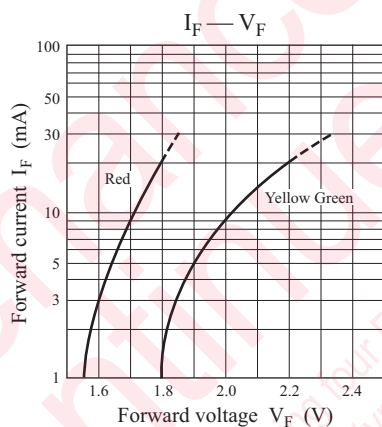
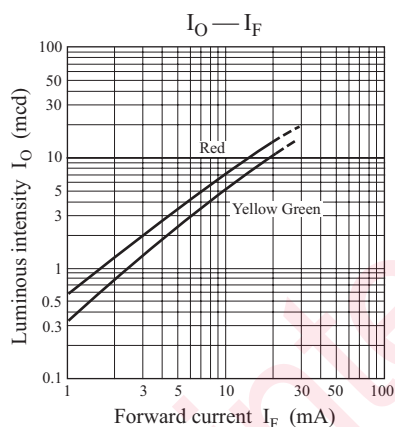
- Yellow Green

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	$I_O$	$I_F = 10\text{ mA}$	1.8	5.0	17.7	mcd
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

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

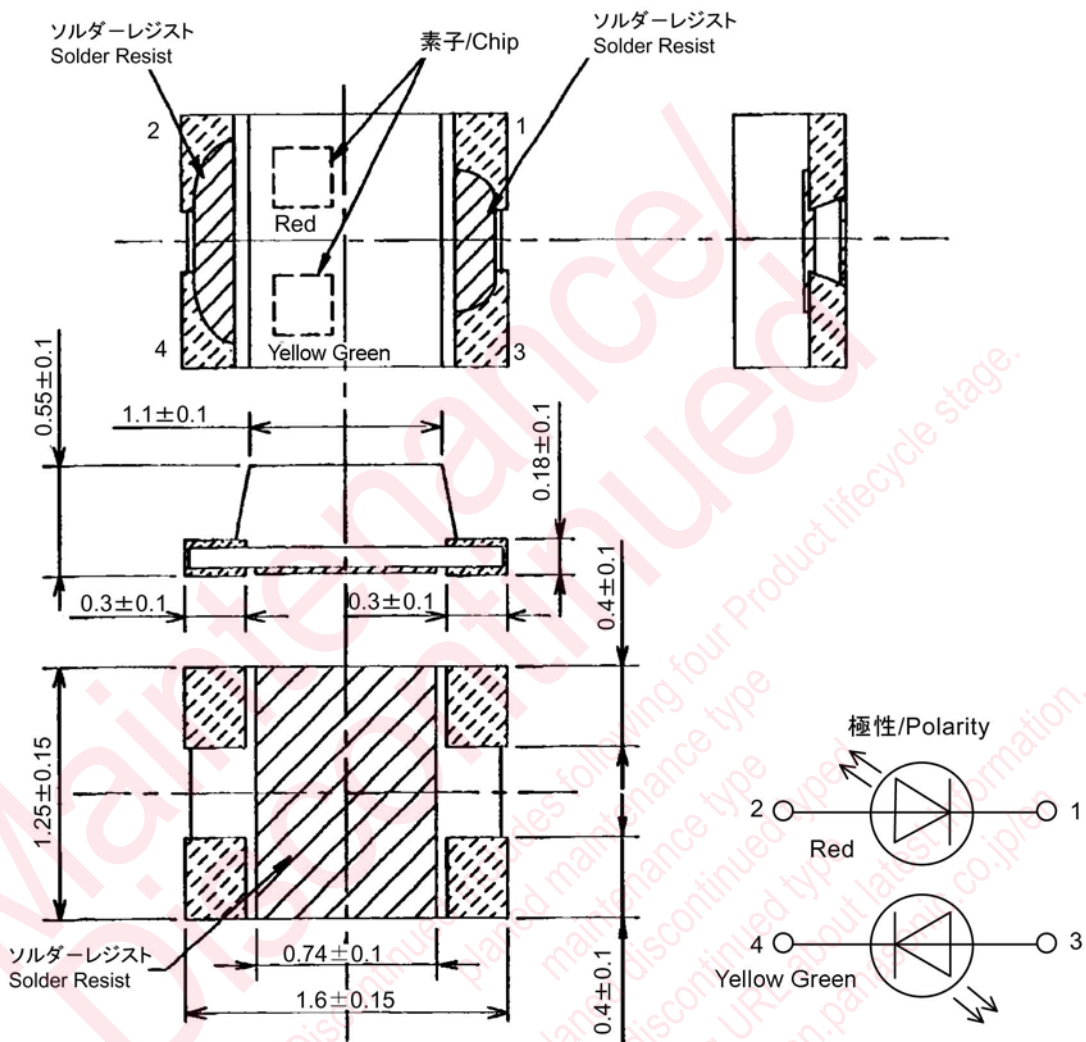
• Red

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	$I_O$	$I_F = 10\text{ mA}$	2.2	6.7	18.8	mcd
Reverse current	$I_R$	$V_R = 3\text{ V}$			100	$\mu\text{A}$
Forward voltage	$V_F$	$I_F = 10\text{ mA}$		1.72	2.5	V
Peak emission wavelength	$\lambda_p$	$I_F = 10\text{ mA}$		655		nm
Spectral half band width	$\Delta\lambda$	$I_F = 10\text{ mA}$		20		nm



■ Package (Unit: mm)

**KLTFTN4K1540**



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

## utions in using the technical information and scribed in this book

book is to be exported or provided to non-residents, the laws and  
d to security export control, must be observed.

y to show the main characteristics and application circuit examples  
property right or other right owned by Panasonic Corporation or any  
company as to the infringement upon any such right owned by any  
information described in this book.

standard applications or general electronic equipment (such as office  
and household appliances).

g applications:

obiles, traffic control equipment, combustion equipment, life support  
reliability are required, or if the failure or malfunction of the prod-

are subject to change without notice for modification and/or im-  
se of the products, therefore, ask for the most up-to-date Product  
atisfy your requirements.

bsolute maximum rating and the guaranteed operating conditions  
) . Especially, please be careful not to exceed the range of absolute  
r-off and mode-switching. Otherwise, we will not be liable for any



take into the consideration of incidence of break down and failure  
n the systems such as redundant design, arresting the spread of fire  
al injury, fire, social damages, for example, by using the products.

own and characteristics change due to external factors (ESD, EOS,  
mounting or at customer's process. When using products for which  
elf life and the elapsed time since first opening the packages.

partially, without the prior written permission of our company.

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View LNJ115W8PRA](#) on WIN SOURCE
-  [Panasonic](#) Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management