



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!



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LNJ115W89RA

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
- Soft Orange

- Soft Orange

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	55	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 +80	$^\circ\text{C}$
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** $T_a = 25^\circ\text{C}$

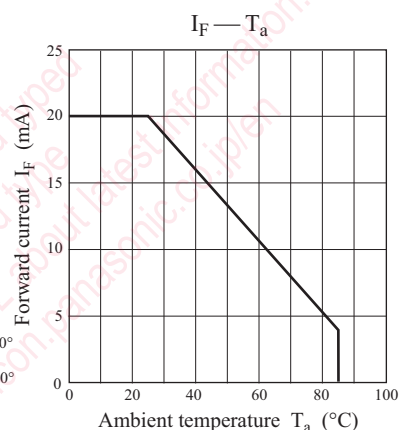
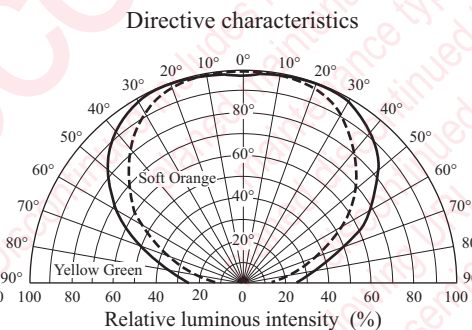
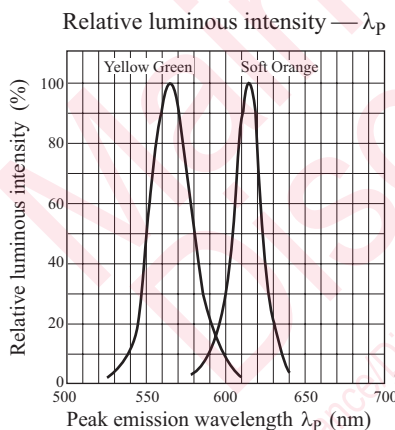
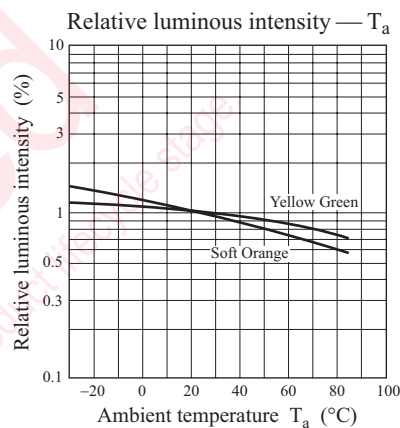
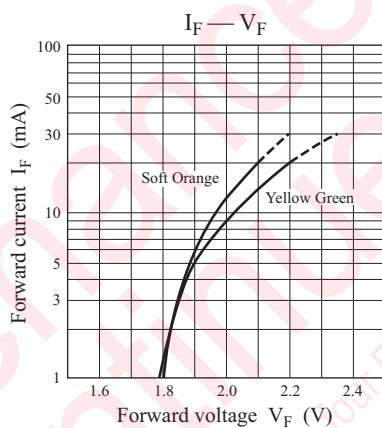
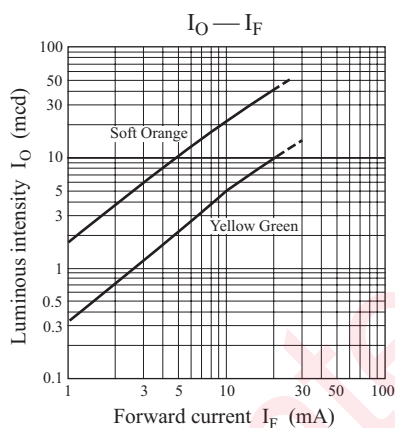
- Yellow Green

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	I_O	$I_F = 10\text{ mA}$	1.8	5.0		mcd
Reverse current	I_R	$V_R = 4\text{ V}$			10	μA
Forward voltage	V_F	$I_F = 10\text{ mA}$		2.03	2.6	V
Peak emission wavelength	λ_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) $T_a = 25^\circ\text{C}$

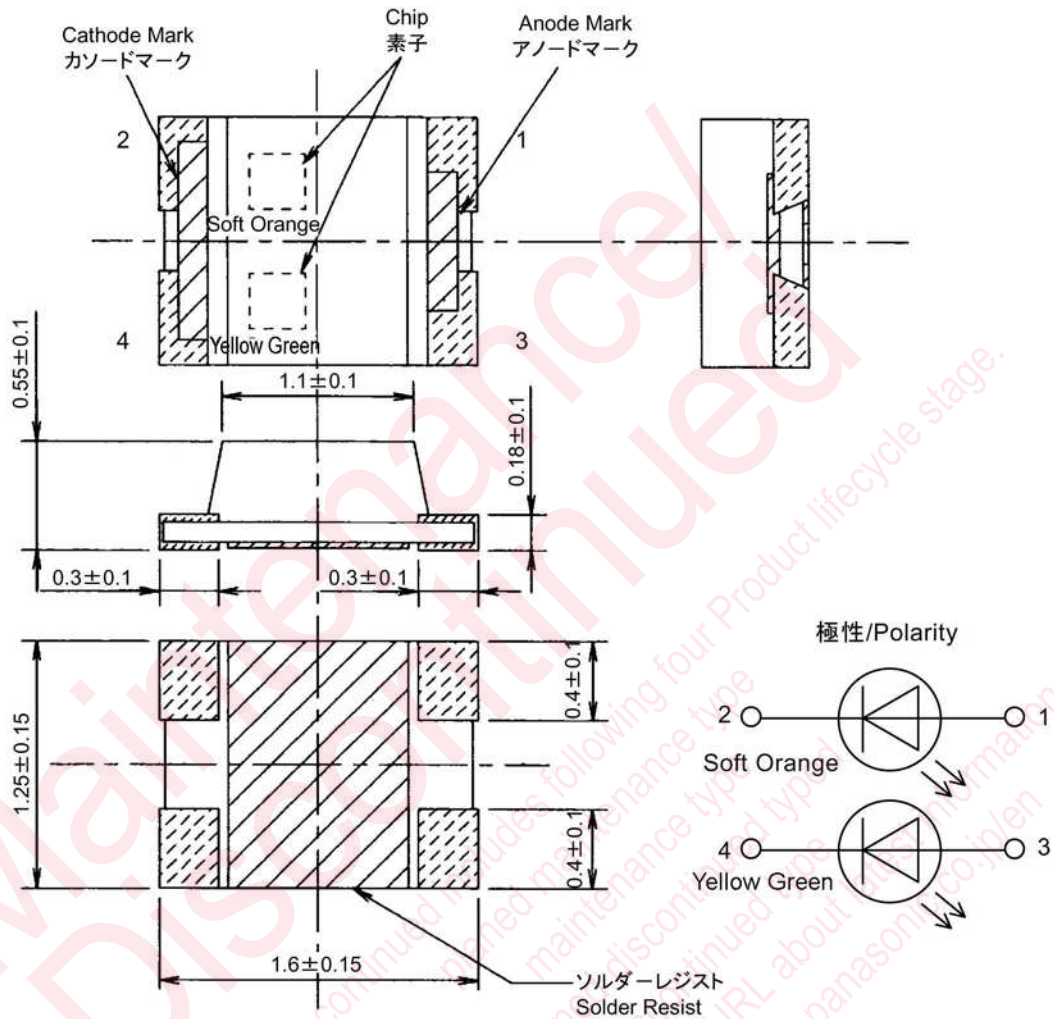
- Soft Orange

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	I_O	$I_F = 10\text{ mA}$	7	21		mcd
Reverse current	I_R	$V_R = 4\text{ V}$			100	μA
Forward voltage	V_F	$I_F = 10\text{ mA}$		1.95	2.5	V
Peak emission wavelength	λ_p	$I_F = 10\text{ mA}$		615		nm
Spectral half band width	$\Delta\lambda$	$I_F = 10\text{ mA}$		20		nm



■ Package (Unit: mm)

KLTFTN4K1540



• Pin name

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

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