

LN086WP38

Round Type

 $\phi 3.2$ mm■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

- Yellow Green

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	90	mW
Forward current	I_F	30	mA
Pulse forward current *	I_{FP}	150	mA
Reverse voltage	V_R	4	V
Operating ambient temperature	T_{opr}	-25 to +85	$^\circ\text{C}$
Storage temperature	T_{stg}	-30 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	90	mW
Forward current	I_F	30	mA
Pulse forward current *	I_{FP}	150	mA
Reverse voltage	V_R	3	V
Operating ambient temperature	T_{opr}	-25 to +85	$^\circ\text{C}$
Storage temperature	T_{stg}	-30 to +100	$^\circ\text{C}$

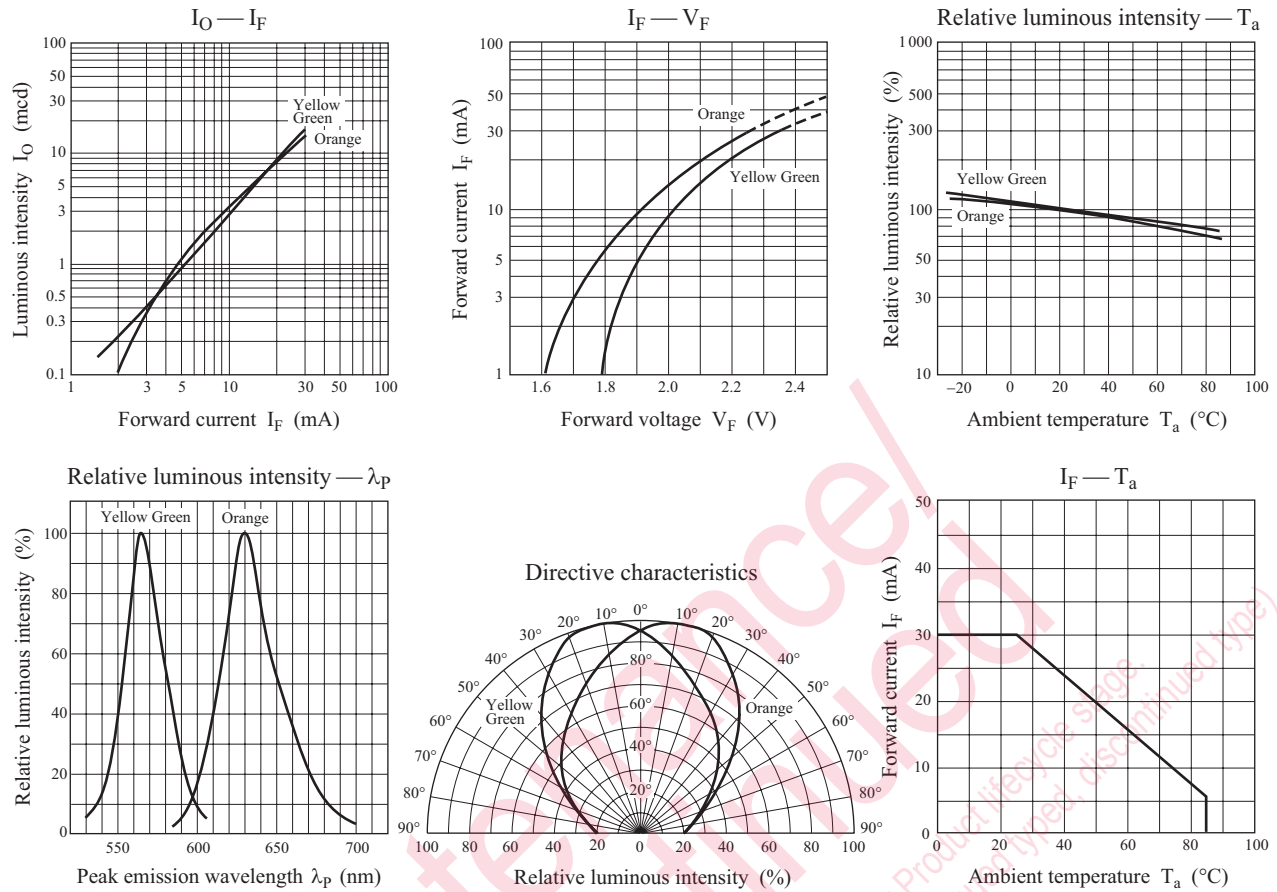
Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.■ Electro-Optical Characteristics $T_a = 25^\circ\text{C}$

- Yellow Green

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	I_O	$I_F = 20$ mA	3.0	8.0		mcd
Reverse current	I_R	$V_R = 4$ V			10	μA
Forward voltage	V_F	$I_F = 20$ mA		2.2	2.8	V
Peak emission wavelength	λ_P	$I_F = 20$ mA		565		nm
Spectral half band width	$\Delta\lambda$	$I_F = 20$ mA		30		nm
Cutoff frequency	f_C	$I_F = 20$ mA + 10 mA[p-p]		15		MHz

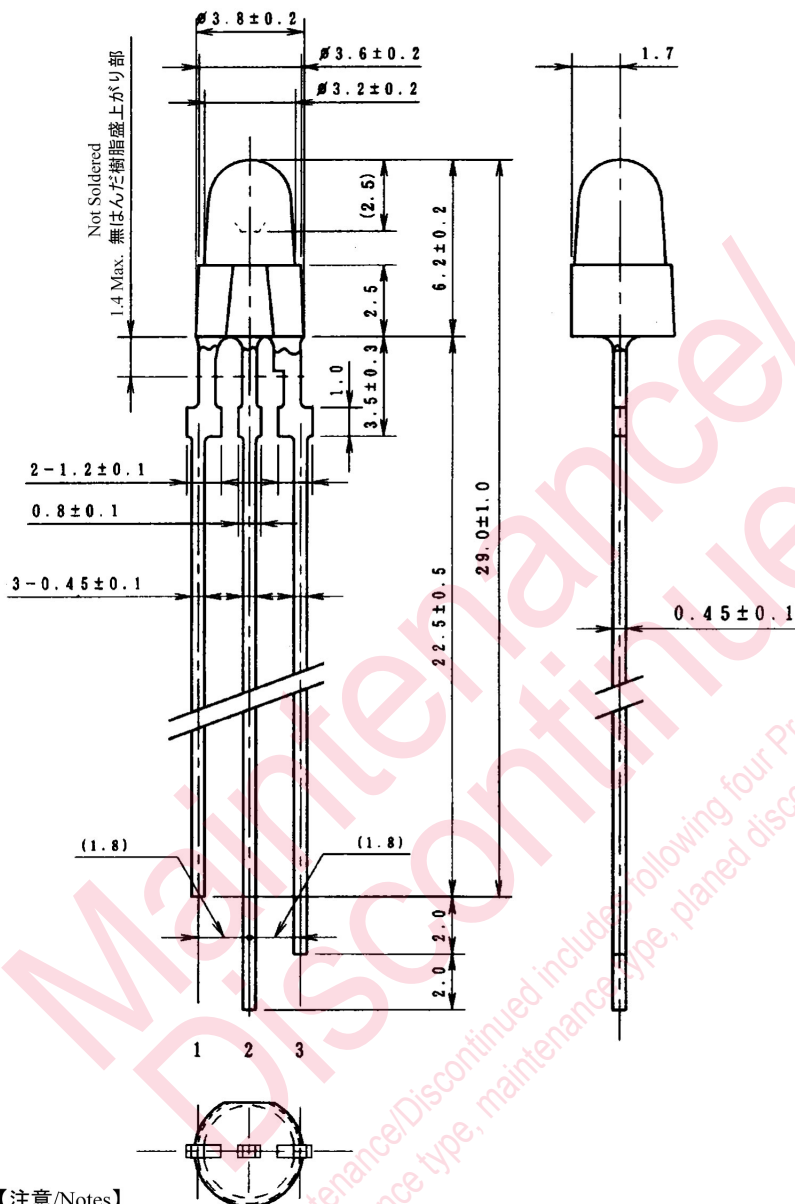
- Orange

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	I_O	$I_F = 20$ mA	3.0	8.0		mcd
Reverse current	I_R	$V_R = 3$ V			10	μA
Forward voltage	V_F	$I_F = 20$ mA		2.1	2.8	V
Peak emission wavelength	λ_P	$I_F = 20$ mA		630		nm
Spectral half band width	$\Delta\lambda$	$I_F = 20$ mA		40		nm
Cutoff frequency	f_C	$I_F = 20$ mA + 10 mA[p-p]		10		MHz



■ Package (Unit: mm)

LLXFTN3SH702



【注意/Notes】

1. 指示無き寸法公差 ± 0.2 mm / Tolerance is ± 0.2 mm unless otherwise specified.
2. ※リード間寸法は樹脂根元寸法を示す / ※The size between leads shows a resin root size.
3. () 寸法は参考値とする / () A size is a reference.
4. 該品は樹脂部が小さい為、リード線との隙間が他品種に比較して余裕が取れません。従いまして、リード線の左右位置ずれによりリード部が露出する事があります。信頼性的に問題はありませんが、リード露出に対する設計の考慮をお願い致します。

Accordingly mis-alignment of the left and right position of the lead wire may expose the lead part.

Although this will not present any problem in its reliability consideration toward lead exposure should be given in the designing.

● Pin Name

- 1: Anode (Orange)
- 2: Cathode (Common)
- 3: Anode (Yellow Green)

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