LN11WP23

Two Color Lighting

Round Type ϕ5.0 mm Series

■ Absolute Maximum Ratings $T_a = 25°C$

• Red

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	70	mW
Forward current	I_F	25	mA
Pulse forward current *	I_{FP}	150	mA
Reverse voltage	V_R	4	V
Operating ambient temperature	T_{opr}	–25 to +85	°C
Storage temperature	T_{stg}	–30 to +100	°C

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

• 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	°C
Storage temperature	T_{stg}	–30 to +100	°C

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

■ Lighting Color / Lens Color

• Red / White Diffused

• Green / White Diffused

■ Electro-Optical Characteristics $T_a = 25°C$

• Red

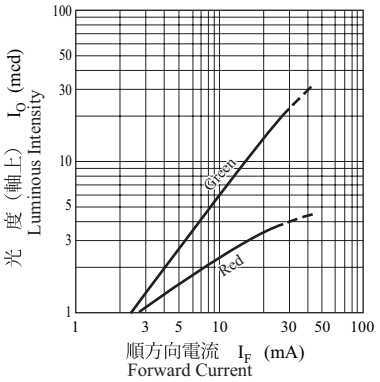
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	I_O		1.0	3.0		mcd
Forward current	I_F			15		mA
Forward voltage	V_F	$I_F = 20$ mA		2.2	2.8	V
Peak emission wavelength	λ_P	$I_F = 20$ mA		700		nm
Spectral half band width	$\Delta\lambda$	$I_F = 20$ mA		100		nm
Reverse current	I_R	$V_R = 4$ V			10	μA

■ Electro-Optical Characteristics (Continued) $T_a = 25°C$

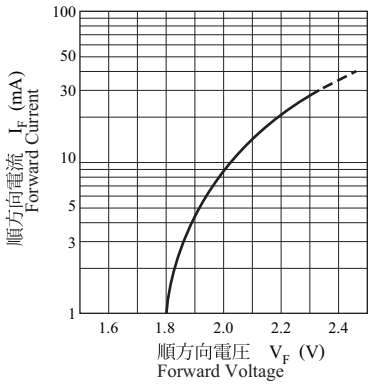
• Green

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	I_O		3.0	15.0		mcd
Forward current	I_F			20		mA
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
Reverse current	I_R	$V_R = 4$ V			10	μA

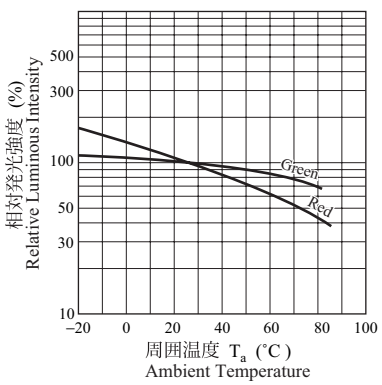
I_O — I_F



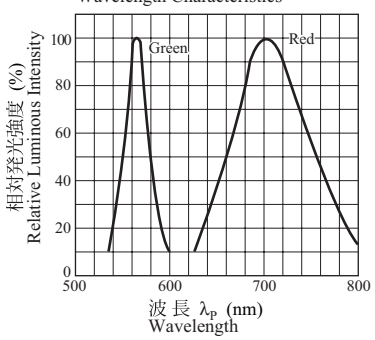
I_F — V_F



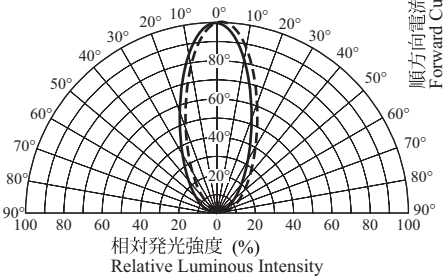
I_O — T_a



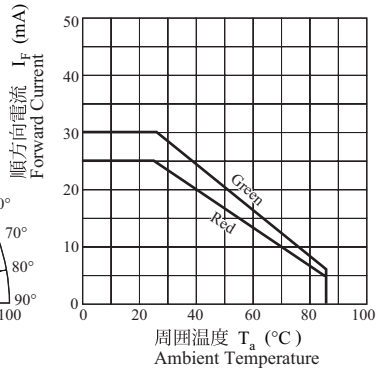
相対発光強度 — 波長特性
Relative Luminous Intensity
Wavelength Characteristics



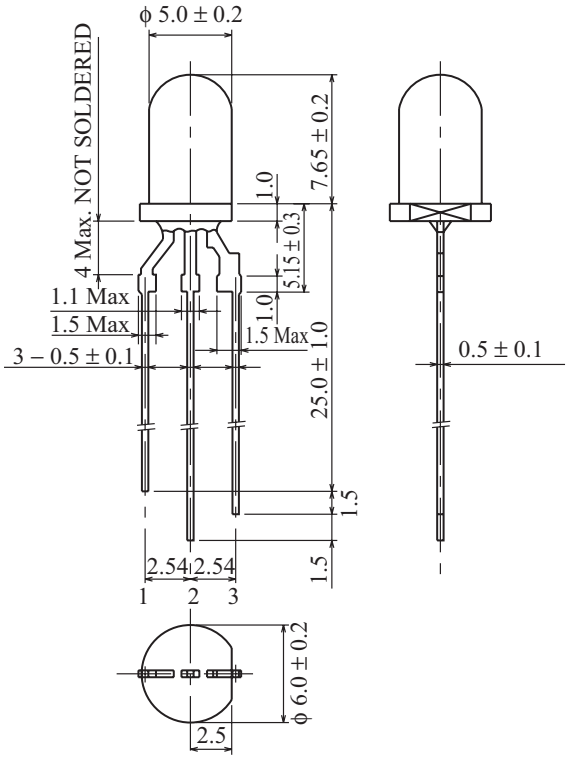
指向特性
Directive Characteristics



I_F — T_a



■ Package (Unit: mm)



- Pin name
  1: Anode (Green)
  2: Cathode (Common)
  3: Anode (Red)

This product complies with the RoHS Directive (EU 2002/95/EC).

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