LNJ347W83RA

Hight Bright Surface Mounting Chip LED

1005 Type

■ Absolute Maximum Ratings T_a = 25°C

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 +85	°C
Storage temperature	T_{stg}	–40 to +100	°C

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

■ Lighting Color

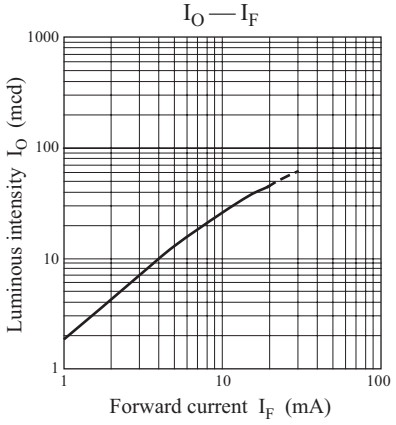
- Green

■ Electro-Optical Characteristics T_a = 25°C±3°C

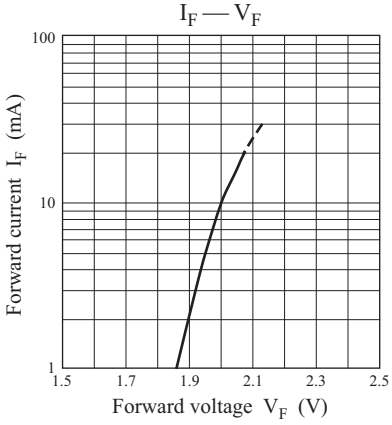
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity *1	I_O	I_F = 5 mA	4.0	13.0	28.0	mcd
Reverse current	I_R	V_R = 4 V			100	μA
Forward voltage	V_F	I_F = 5 mA		1.95	2.30	V
Peak emission wavelength	λ_P	I_F = 5 mA		575		nm
Dominant emission wavelength *2	λ_d	I_F = 5 mA	566	572	576	nm
Spectral half band width	$\Delta\lambda$	I_F = 5 mA		20		nm

Note) ∗1: Measurement tolerance: ±20%
∗2: Measurement tolerance: ±2 nm

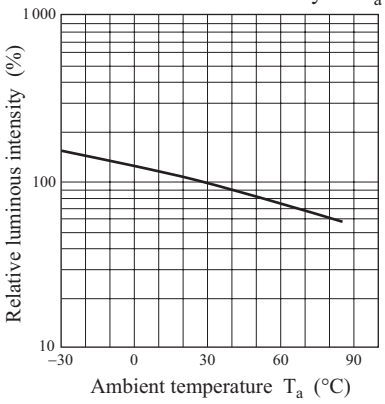
I_O — I_F



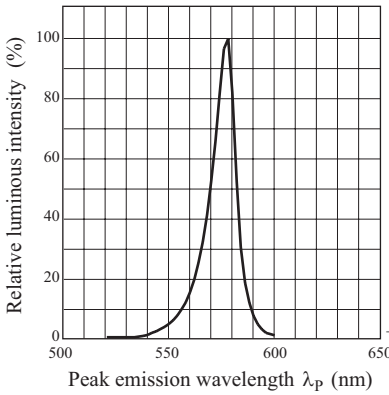
I_F — V_F



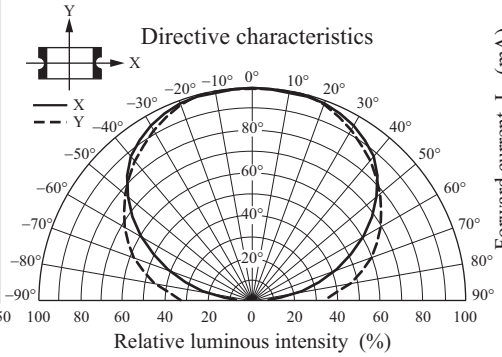
Relative luminous intensity — T_a



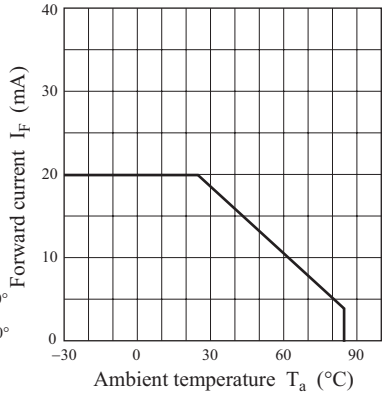
Relative luminous intensity — λ_P



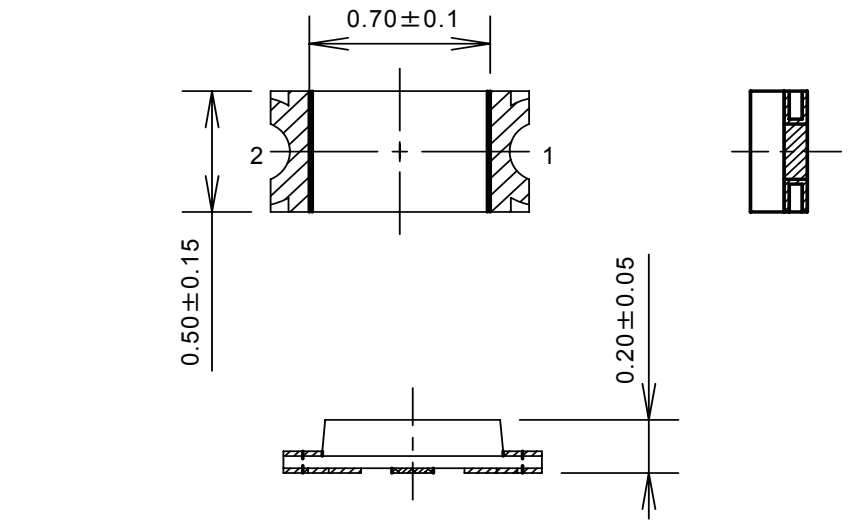
Directive characteristics

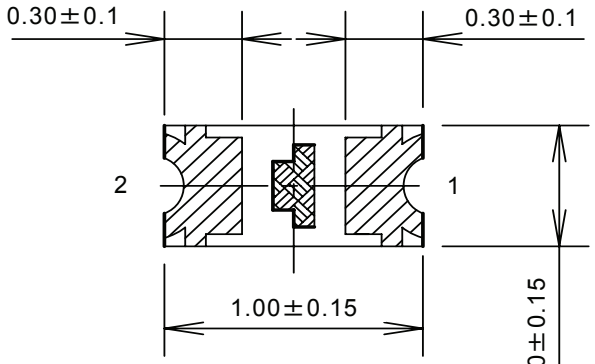


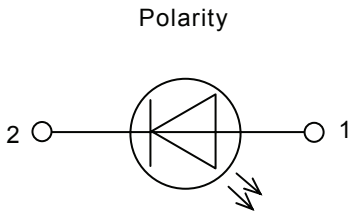
I_F — T_a



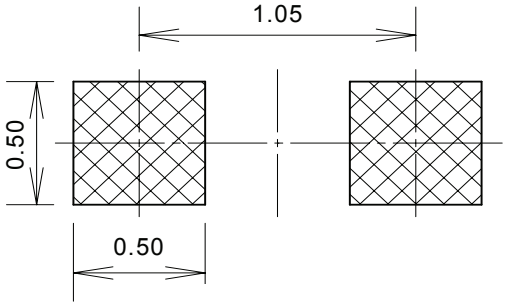
■ Package (Unit: mm)







Recommended Land Layout



(Note1)Electrode projection is not included in the package dimensions.
(Note2)About solder thickness, please examine the products yourself completely.
(Recommended thickness : t=0.10 ㎜～0.15 ㎜)

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