LNJ947W8CRA

Hight Bright Surface Mounting Chip LED

1005 Type

■ Lighting Color

• Blue

■ Absolute Maximum Ratings T_a = 25°C

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	40	mW
Forward current	I_F	10	mA
Pulse forward current *	I_{FP}	40	mA
Reverse voltage	V_R	5	V
Operating ambient temperature	T_{opr}	–30 to +85	°C
Storage temperature	T_{stg}	–40 to +100	°C

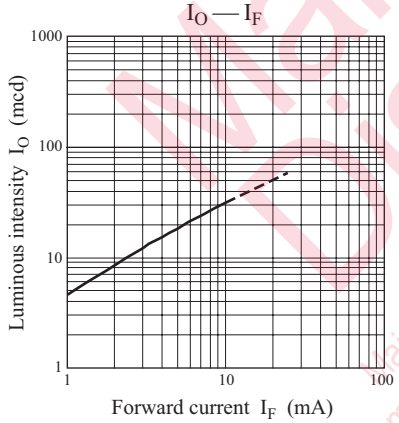
Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.

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

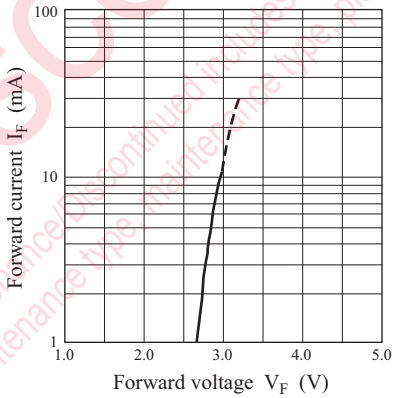
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity *1	I_O	I_F = 5 mA	8.5	18.0	55.0	mcd
Reverse current	I_R	V_R = 5 V			10	μA
Forward voltage	V_F	I_F = 5 mA		2.90	3.20	V
Peak emission wavelength	λ_P	I_F = 5 mA		465		nm
Dominant emission wavelength *2	λ_d	I_F = 5 mA	467	472	478	nm
Spectral half band width	$\Delta\lambda$	I_F = 5 mA		20		nm

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

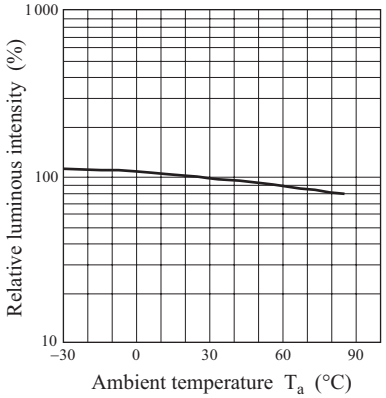
I_O — I_F



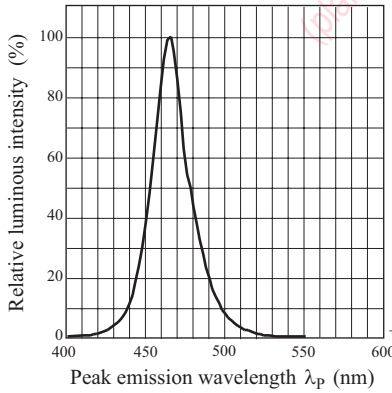
I_F — V_F



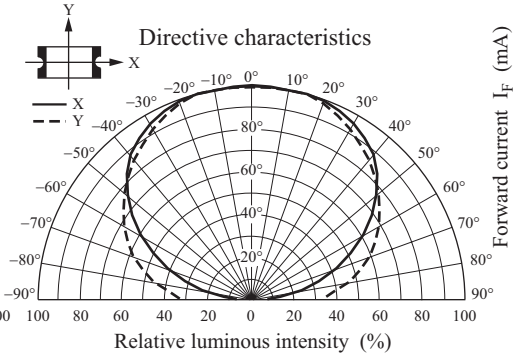
Relative luminous intensity — T_a



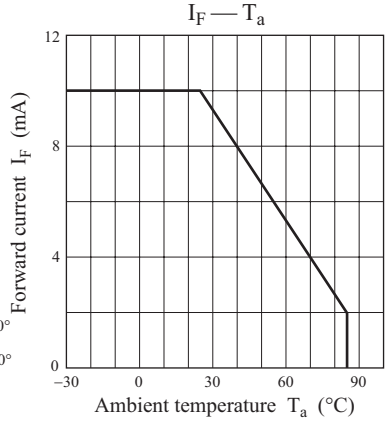
Relative luminous intensity — λ_P



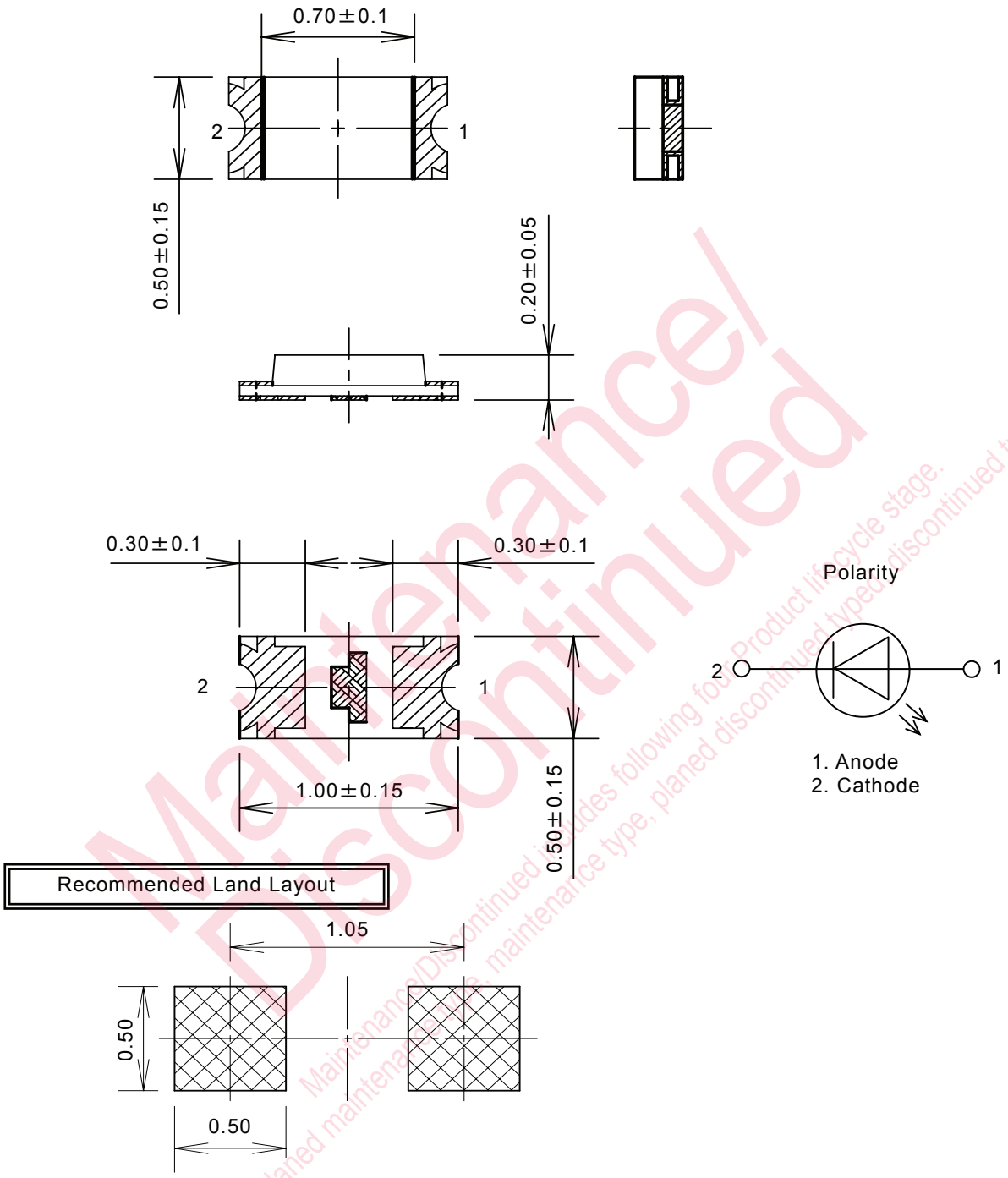
Directive characteristics



I_F — T_a



■ Package (Unit: mm)



(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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