LNJ247W82RA

Hight Bright Surface Mounting Chip LED

1005 Type

Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit	
Power dissipation	P _D	55	mW	
Forward current	I _F	I _F 20		
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	

Lighting Color

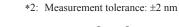
• Red

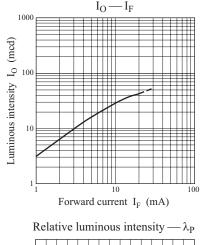
Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.

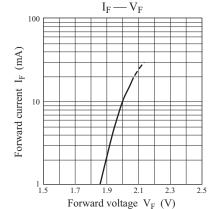
Electro-Optical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

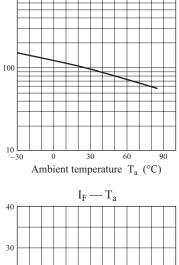
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Luminous intensity *1	Io	$I_F = 5 \text{ mA}$	5.8	16.0	26.8	mcd
Reverse current	I _R	$V_R = 4 V$			100	μΑ
Forward voltage	V _F	$I_F = 5 \text{ mA}$		1.95	2.30	V
Peak emission wavelength	$\lambda_{\rm P}$	$I_F = 5 \text{ mA}$		645		nm
Dominant emission wavelength *2	λ_d	$I_F = 5 \text{ mA}$	620	630	640	nm
Spectral half band width	Δλ	$I_F = 5 \text{ mA}$		20		nm

Note) *1: Measurement tolerance: ±20%







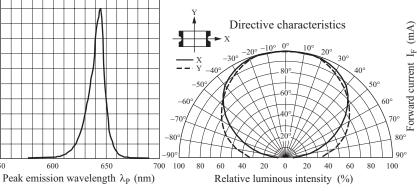


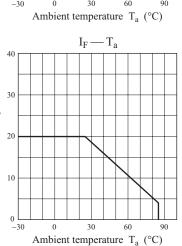
Relative luminous intensity -

1000

Relative luminous intensity (%)

 $-T_a$





600

650

10

80

60

40

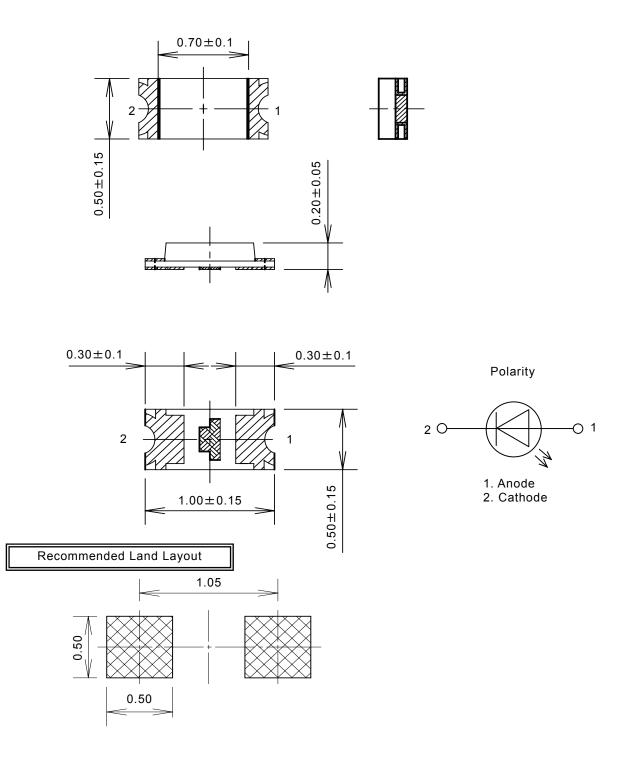
2

0

550

Relative luminous intensity (%)

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 mm~0.15 mm)

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