LNJ847W83RA

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	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	

Lighting Color

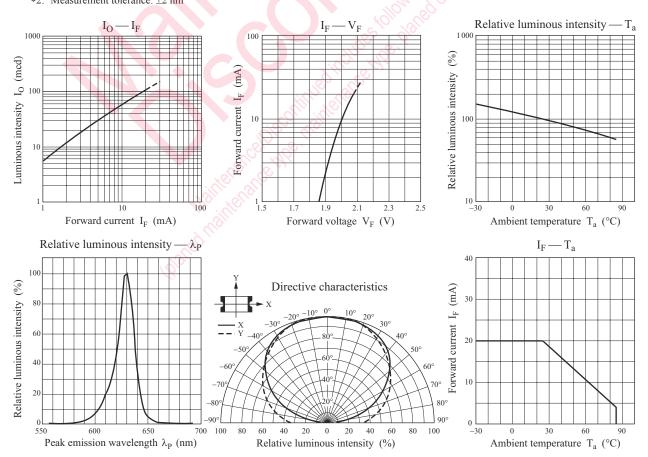
Orange

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

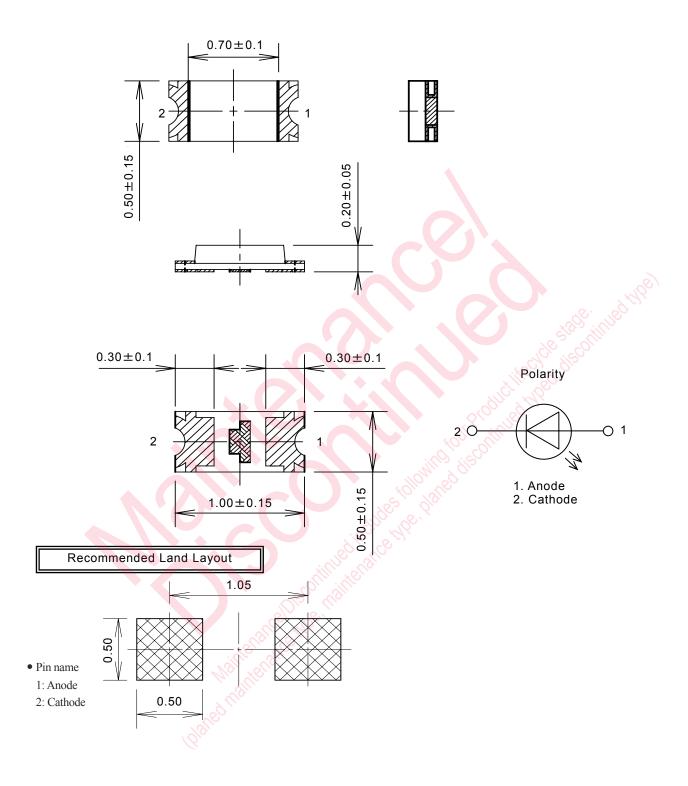
Electro-Optical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

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Parameter	Symbol	Conditions	Min	Тур	Max	O Unit
Luminous intensity *1	Io	$I_F = 5 \text{ mA}$	11.5	30.0	47.3	mcd
Reverse current	I _R	$V_R = 4 V$		JC Si	100	μΑ
Forward voltage	V _F	$I_F = 5 \text{ mA}$		1.95	2.30	V
Peak emission wavelength	$\lambda_{\rm P}$	$I_F = 5 \text{ mA}$	NO.	630		nm
Dominant emission wavelength *2	λ_d	$I_F = 5 \text{ mA}$	615	620	627	nm
Spectral half band width	Δλ	$I_F = 5 \text{ mA}$	dille	13		nm
			0			

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



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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