imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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LNJ03004GND1

Surface Mounting Chip LED

3230 Type

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

Parameter	Symbol	Rating	Unit	
Power dissipation	P _D	860	mW	
Forward current *1	I _F	I _F 120		
Pulse forward current *2	I _{FP}	200	mA	
Junction temperature	Tj	110	°C	
Operating ambient temperature	T _{opr}	-30 to +85	°C	
Storage temperature	T _{stg}	-40 to +100	°C	

Lighting Color

• White (5000 [Kelvin])

Note) *1: I_F is different by radiated factor of evaluation board.

This value is mounted on evaluation board at Rthj-a = 25.0 °C/W.

*2: The condition of pulse current I_{FP} is 55 ms pulse width, 10 % duty.

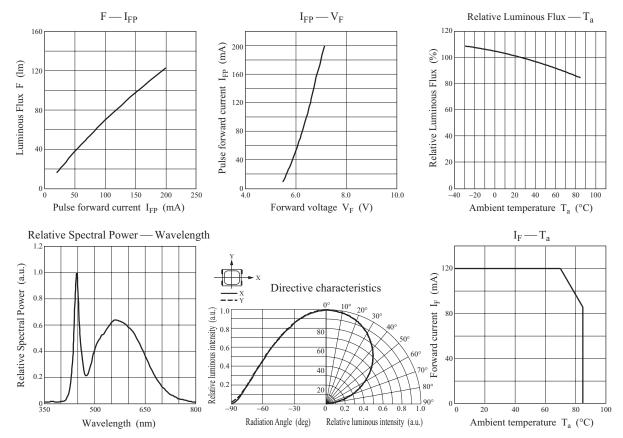
Electro-Optical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage *1	V _F	$I_{\rm FP} = 75 \ \rm mA$	5.7	6.2	6.7	V
Luminous flux *2	F	$I_{FP} = 75 \text{ mA}$	37.0	54.0	80.0	lm
Chromaticity coordinates *3	x	$I_{\rm FP} = 75 \ {\rm mA}$		0.345		
	у	$I_{\rm FP} = 75 \ {\rm mA}$		0.355		
Color Rendering Index	Ra	$I_{FP} = 75 \text{ mA}$		82		

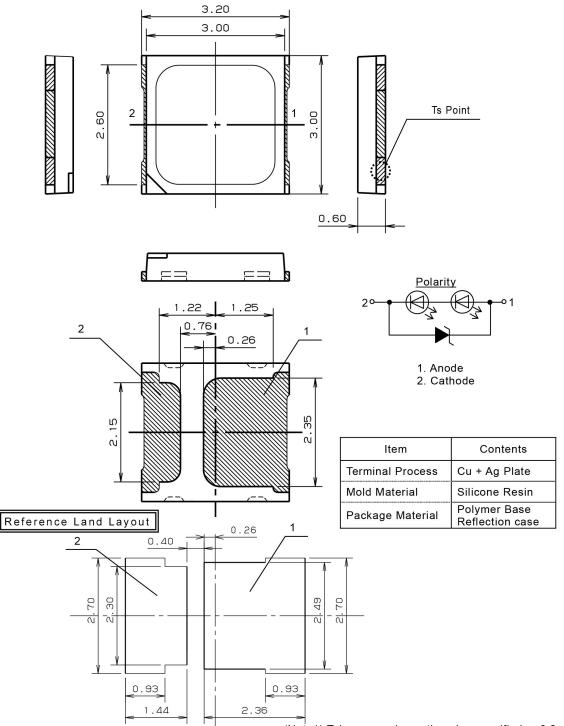
Note) *1: Complete Forward Voltage measurement within 0.1 seconds. Tolerance ±3%

*2: Complete Luminous flux measurement within 0.1 seconds. Tolerance $\pm 10\%$

*3: Complete Chromaticity coordinates measurement within 0.1 seconds. Tolerance of chromaticity is ±0.01



Package (Unit: mm)



(Note1) Tolerance unless otherwise specified : ±0.2mm

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