Technical Data Sheet

2.0*4.0 mm Rectangle Type LED Lamps

594SUBC/C470/S400-A4

Features

- Choice of various viewing angles.
- Available on tape and reel
- Reliable and robust

Descriptions

- The series is specially designed for applications requiring higher brightness
- The LED lamps are available with different colors,intensities,epoxy colors,etc.

Applications

- TV set
- Monitor
- Telephone
- Computer

Device Selection Guide

Chip		Lens Color
Material	**Emitted Color**	
InGaN	Super Blue	Water Clear

B90052451,9012050

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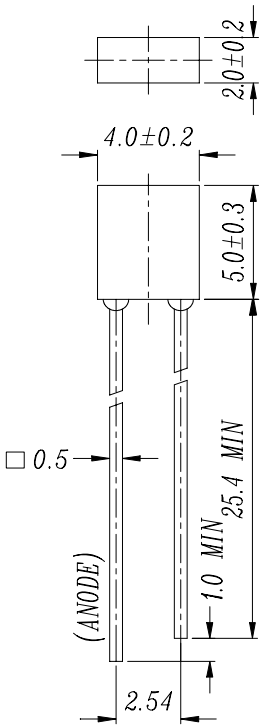
Package Dimensions



Notes:

- All dimensions are in millimeters,tolerance is 0.25mm except being specified.
- Lead spacing is measured where the lead emerges from the package.
- Protruded resin under flange is 1.5mm Max LED.

Absolute Maximum Ratings (Ta=25℃)

Parameter	Symbol	Rating	Units
Forward Current	I_F	25	mA
Pulse Forward Current*1	I_{FP}	100	mA
Operating Temperature	T_{opr}	-40 ~ +85	℃
Storage Temperature	T_{stg}	-40 ~ +100	℃
Electrostatic Discharge	ESD	150	V
Soldering Temperature*2	T_{sol}	260 ± 5	℃
Power Dissipation	P_d	120	mW
Reverse Voltage	V_R	5	V

Notes: *1:I_{FP} Conditions--Pulse Width≦10msec and Duty≦1/10.

*2:Soldering time≦5 seconds.

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Electro-Optical Characteristics (Ta=25℃)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Forward Voltage	V_F	I_F=20mA	3.2	3.8	4.3	V
Reverse Current	I_R	V_R=5V	--	--	50	μA
Luminous Intensity	I_V	I_F=20mA	40	63	--	mcd
Viewing Angle	2θ 1/2	I_F=20mA	--	100	--	deg
Peak Wavelength	λ p	I_F=20mA	--	468	--	nm
Dominant Wavelength	λ d	I_F=20mA	--	470	--	nm
Spectrum Radiation Bandwidth	$\triangle\lambda$	I_F=20mA	--	35	--	nm

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Typical Electro-Optical Characteristics Curves