

Technical Data Sheet

3 mm Small Flange with Stand-off LED,T-1

204-10SUBC/C470/S400-A4

Features

- High luminous power.
- Can be driven at low current
- .254mm lead spacing
- Available on tape and reel.

Descriptions

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



Applications

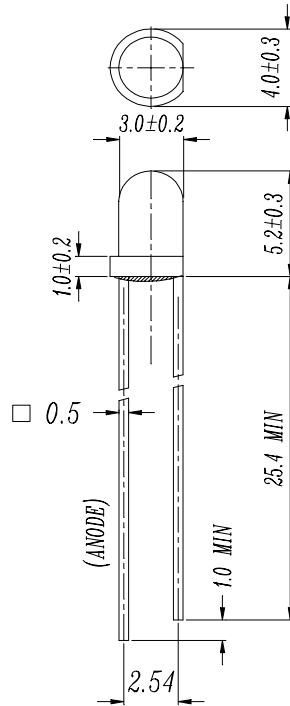
- TV set
- Monitor
- Telephone
- Computer

Device Selection Guide

Chip		Lens Color
Material	Emitted Color	
InGaN	Super Blue	Water Clear

B90051600,9007016

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°C)

Parameter	Symbol	Rating	Units
Forward Current	I _F	25	mA
Pulse Forward Current ^{*1}	I _{FP}	100	mA
Operating Temperature	T _{opr}	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Electrostatic Discharge	ESD	150	V
Soldering Temperature ^{*2}	T _{sol}	260 ± 5	°C
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.

Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Forward Voltage	V_F	$I_F=20\text{mA}$	3.2	3.8	4.3	V
Reverse Current	I_R	$V_R=5\text{V}$	--	--	50	μA
Luminous Intensity	I_V	$I_F=20\text{mA}$	400	630	--	mcd
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	--	20	--	deg
Peak Wavelength	λ_p	$I_F=20\text{mA}$	--	468	--	nm
Dominant Wavelength	λ_d	$I_F=20\text{mA}$	--	470	--	nm

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Typical Electro-Optical Characteristics Curves

