

## 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

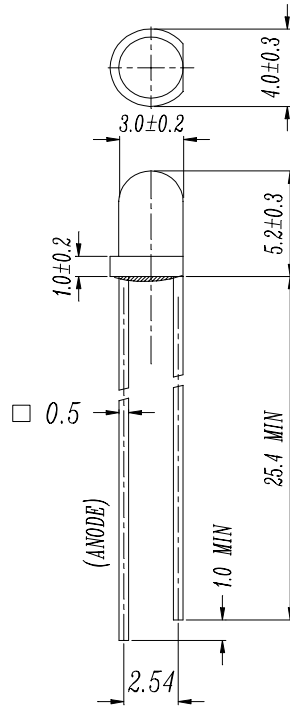
- TV set
- Monitor
- Telephone
- Computer

### 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 <sub>F</sub>	25	mA
Pulse Forward Current <sup>*1</sup>	I <sub>FP</sub>	100	mA
Operating Temperature	T <sub>opr</sub>	-40 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C
Electrostatic Discharge	ESD	150	V
Soldering Temperature <sup>*2</sup>	T <sub>sol</sub>	260 ± 5	°C
Power Dissipation	P <sub>d</sub>	120	mW
Reverse Voltage	V <sub>R</sub>	5	V

**Notes:** \*1:I<sub>FP</sub> Conditions--Pulse Width ≤ 10msec and Duty ≤ 1/10.

\*2:Soldering time ≤ 5 seconds.

**Electro-Optical Characteristics (Ta=25°C)**

<b>Parameter</b>	<b>Symbol</b>	<b>Condition</b>	<b>Min.</b>	<b>Typ.</b>	<b>Max.</b>	<b>Units</b>
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	$\mu\text{A}$
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	$\lambda_p$	$I_F=20\text{mA}$	--	468	--	nm
Dominant Wavelength	$\lambda_d$	$I_F=20\text{mA}$	--	470	--	nm

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**Typical Electro-Optical Characteristics Curves**

