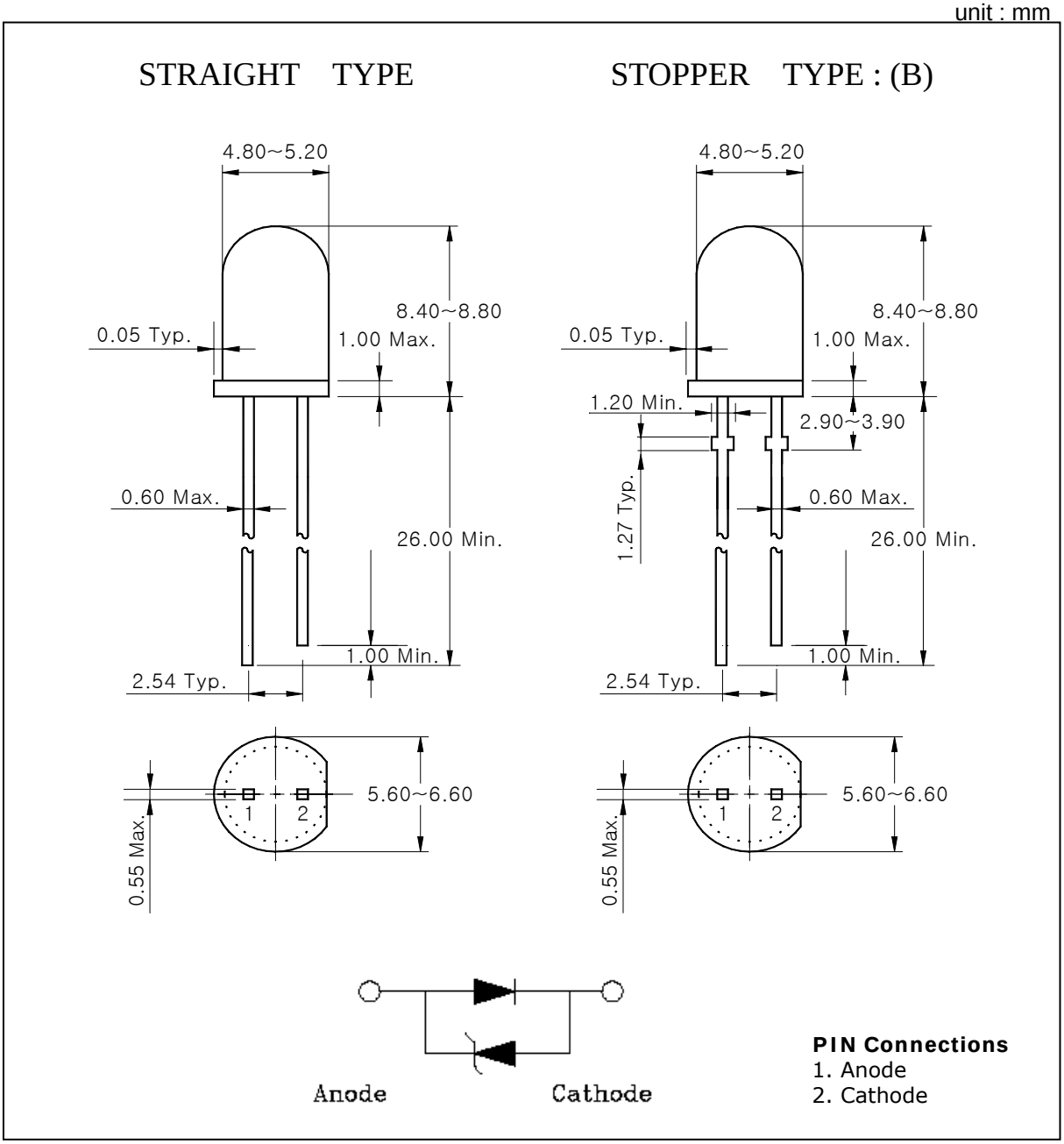
SB5315E-G / SB5315E-G(B)

1. Features

- Colorless transparency lens type
- ϕ5mm all plastic mold type
- Super luminosity
- **E ; ESD Protected (±2.0KV, 3 Times @100pF, 1.5KΩ)**

2. Outline Dimensions

unit : mm



The contents of this data sheet are subject to change without advance notice for the purpose of improvement.
When using this product, would you please refer to the latest specifications.

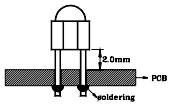
3. Absolute Maximum Ratings

(Ta=25°C)

Characteristic	Symbol	Rating	Unit
Power dissipation	P_D	110	mW
Forward current	I_F	30	mA
*1Peak forward current	I_{FP}	50	mA
Operating temperature range	T_{opr}	-30～85	℃
Storage temperature range	T_{stg}	-30～100	℃
*2Soldering temperature	T_{sol}	260℃ for 10 seconds	

*1.Duty ratio = 1/16, Pulse width = 0.1ms

*2.Keep the distance more than 2.0mm from PCB to the bottom of LED package



※ Recommend document

-. LED is very sensitive to ESD.

4. Electrical / Optical Characteristics

(Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward voltage	V_F	I_F= 20mA	-	3.1	3.55	V
Luminous intensity	I_V	I_F= 20mA	1760	-	5940	mcd
Dominant wavelength	λ_D	I_F= 20mA	465	-	475	nm
Spectrum bandwidth	$\Delta\lambda$	I_F= 20mA	-	17	-	nm
*3Half angle	$\theta^1/_2$	I_F= 20mA	-	±15	-	deg

*3. θ1/2 is the off-axis angle where the luminous intensity is 1/2 the peak intensity

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5. Characteristic Diagrams

Fig. 1 I_F - V_F

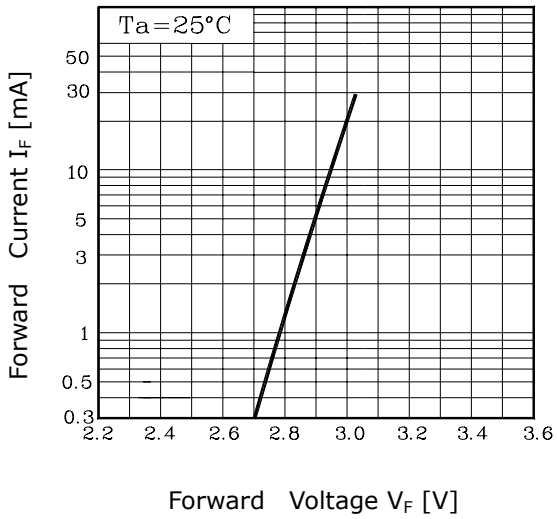


Fig. 2 I_V - I_F

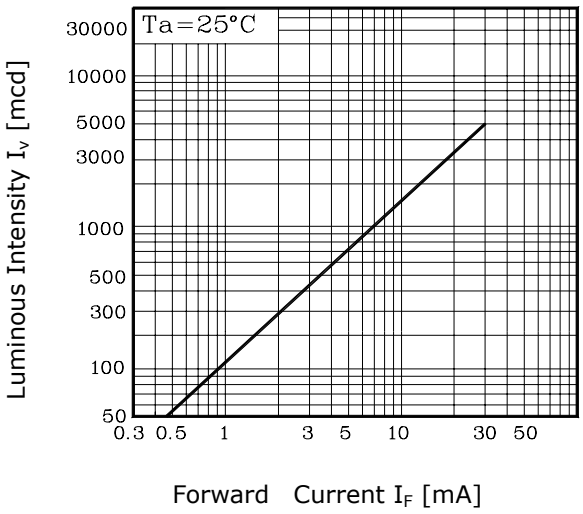


Fig. 3 I_F – Ta

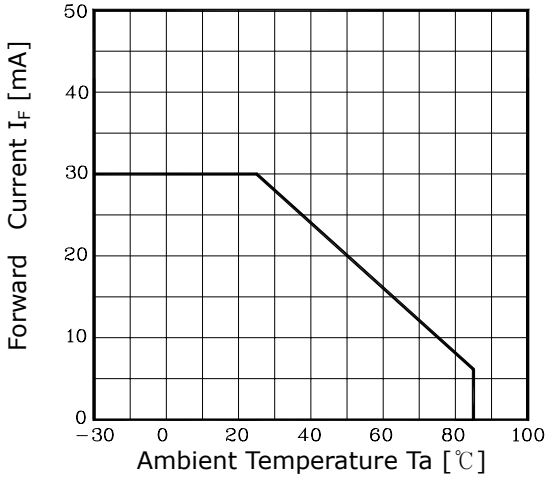


Fig.4 Spectrum Distribution

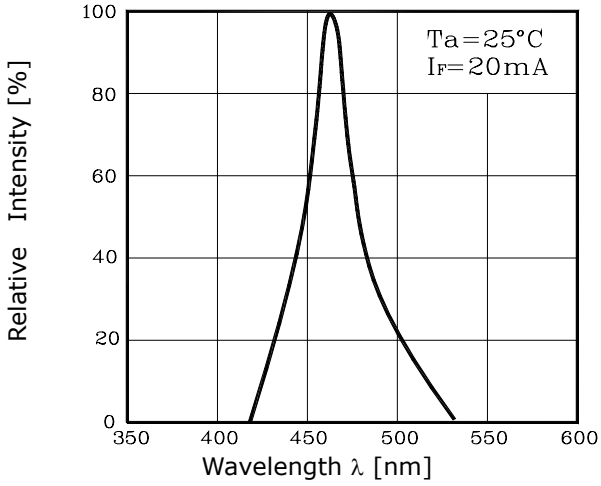
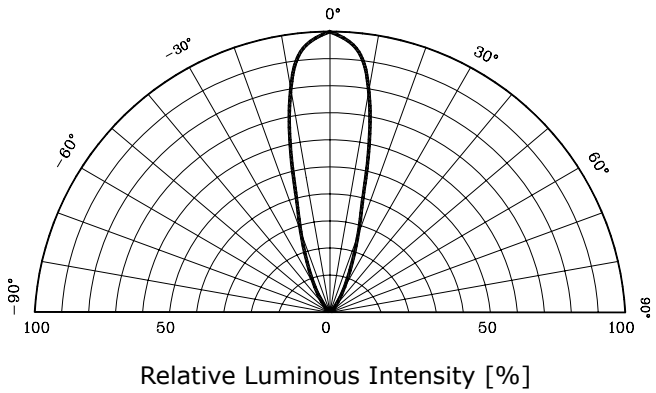


Fig. 5 Radiation Diagram



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