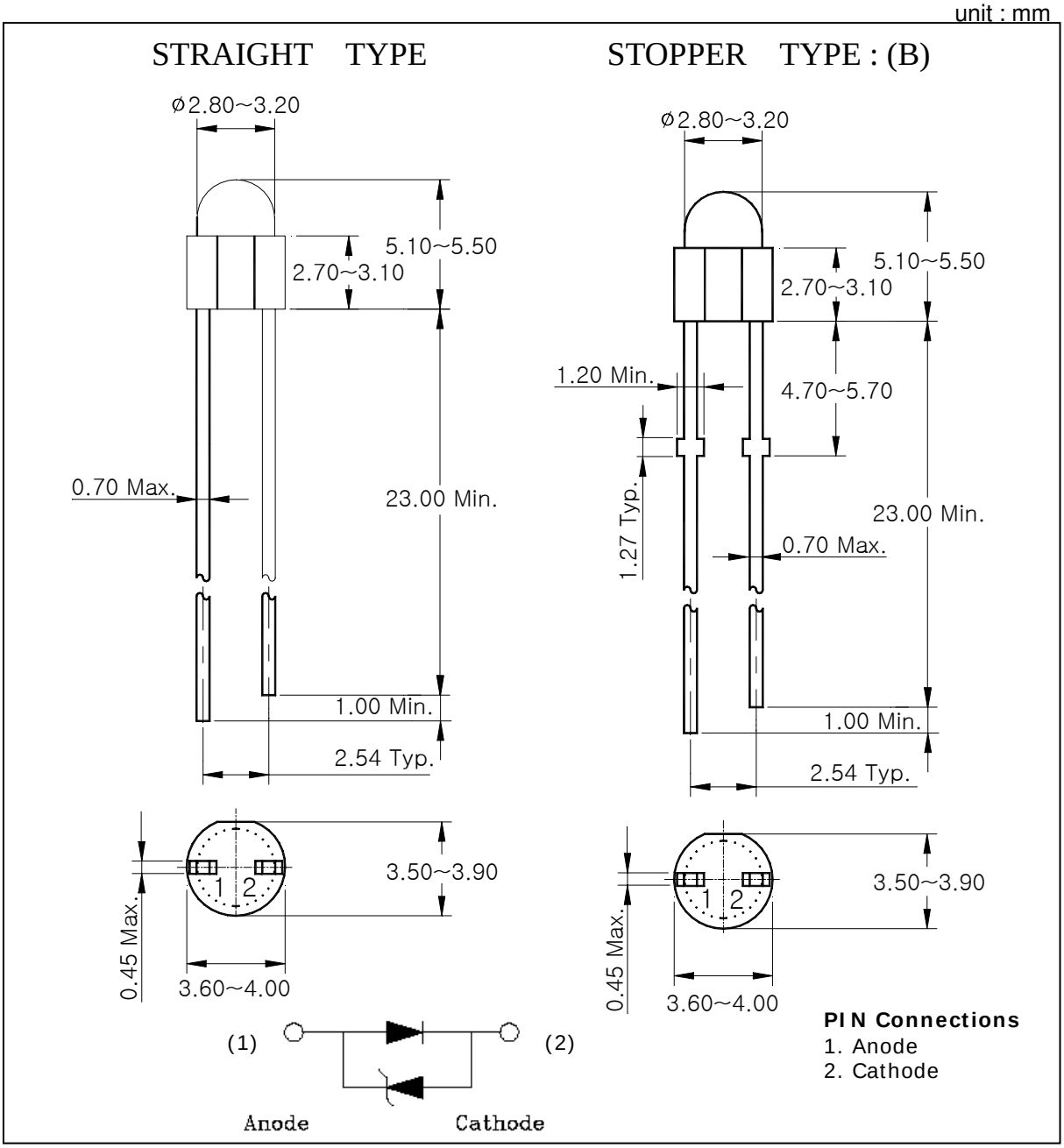
SW3372E-H / SW3372E-H(B)

1. Features

- Colorless transparency lens type
- ϕ3mm(T-1) all plastic mold type
- White emission color : X=0.23~0.32
  Y=0.20~0.37
- Viewing angle : ±22° / Super luminosity
- **E ; ESD Protected (IEC 61000-4-2 ±7V(contact mode))**

2. Outline Dimensions

unit : mm



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When using this product, would you please refer to the latest specifications.

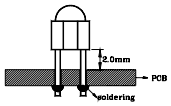
3. Absolute Maximum Ratings

(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}	-25～85	℃
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	3.0	-	3.6	V
*5 Luminous intensity	I_V	I_F= 20mA	1760	-	3200	mcd
*3Chromaticity coordinates	X	I_F= 20mA	0.23	-	0.32	-
	Y		0.20	-	0.37	-
*4Half angle	θ1/2	I_F= 20mA	-	±22	-	deg

*3. The chromaticity coordinates are derived from the CIE 1931 Chromaticity Diagram and represent the perceived color of the device.

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

*5. Luminous intensity maximum tolerance for each grade classification limit is ±18%

5. Characteristic Diagrams

Fig. 1 I_F - V_F

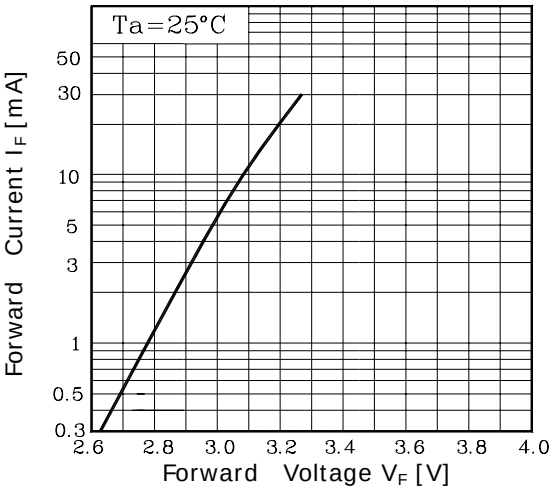


Fig. 2 I_V - I_F

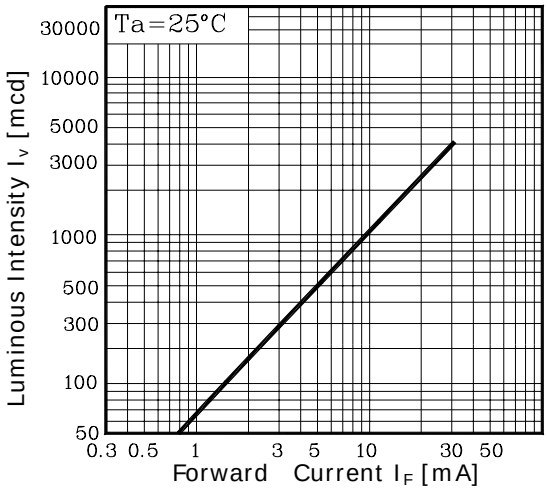


Fig. 3 I_F – Ta

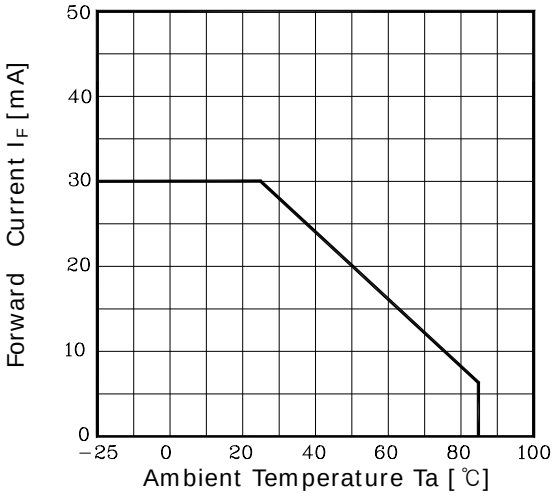


Fig.4 Spectrum Distribution

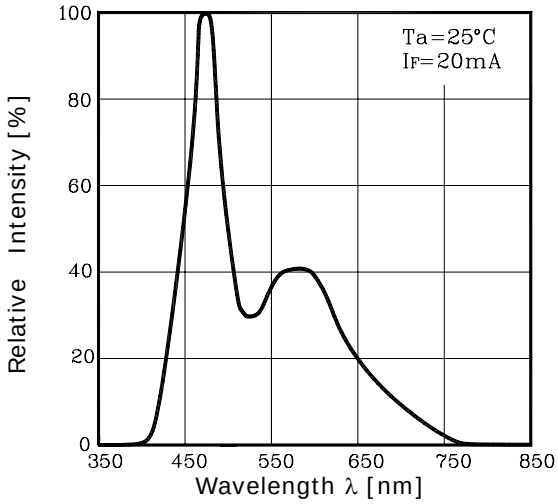
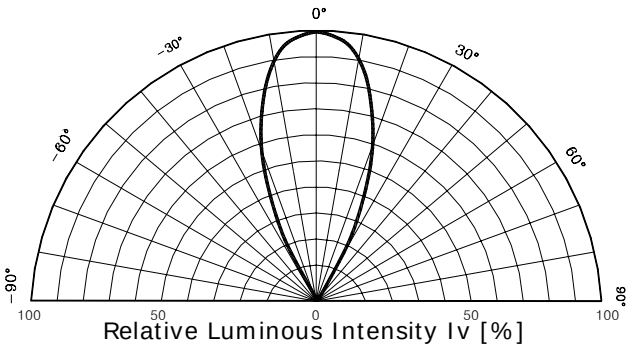


Fig. 5 Radiation Diagram



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