

Features

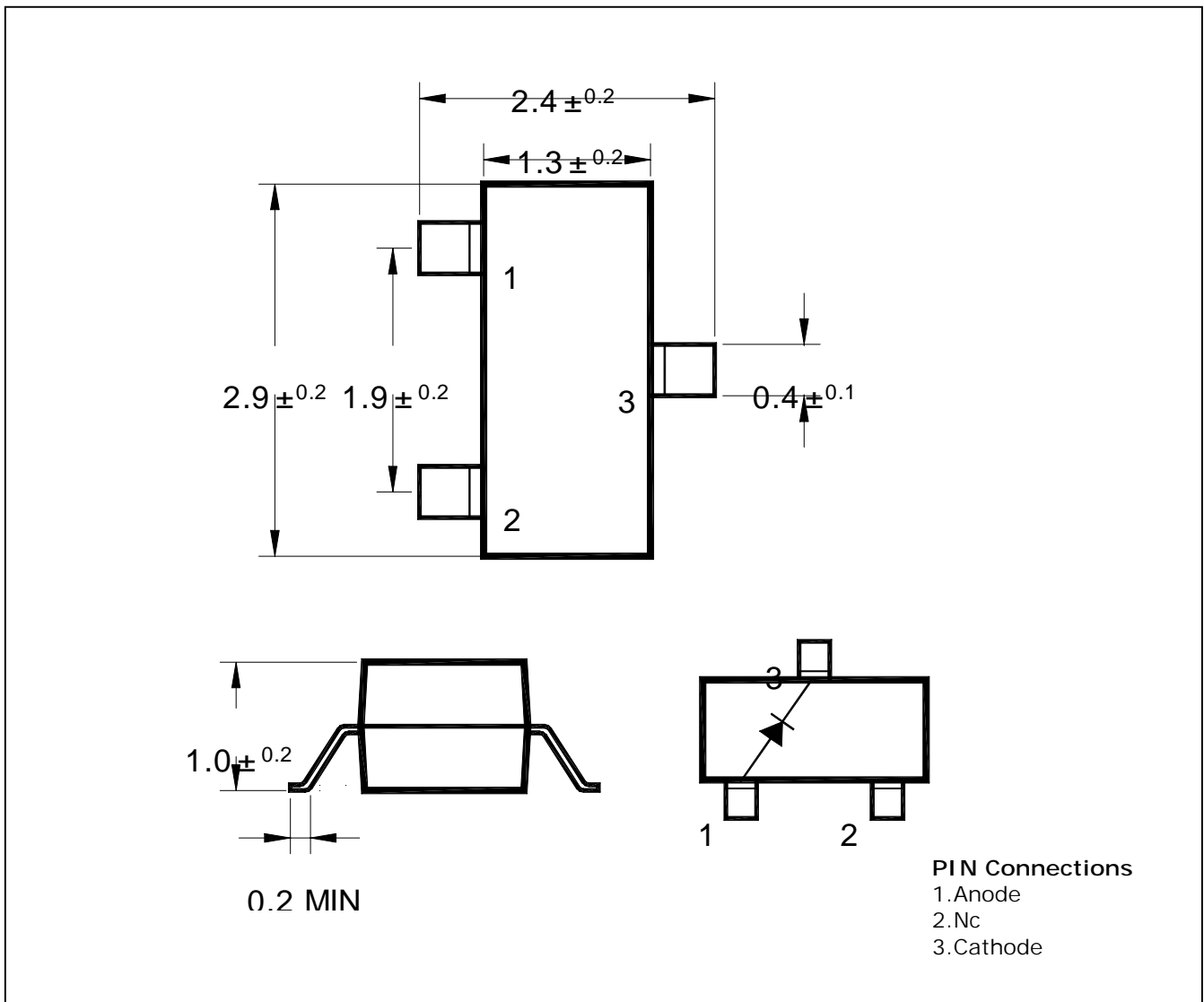
- Blue colored transparency lens type
- Compact type
- Radiation size 1.3mm × 2.9mm
- Surface mount lead configuration
- High luminosity

Applications

- LCD backlighting
- Keypad backlighting
- Symbol backlighting
- Front panel indicator lamp

Outline Dimensions

unit : mm



Absolute maximum ratings

Characteristic	Symbol	Ratings	Unit
Power Dissipation	P_D	40	mW
Forward Current	I_F	10	mA
*1Peak Forward Current	I_{FP}	50	mA
Reverse Voltage	V_R	4	V
Operating Temperature	T_{opr}	-25 80	
Storage Temperature	T_{stg}	-30 100	
*2Soldering Temperature	T_{sol}	240 for 5 seconds	

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

*2.Reflow soldering : Preheating 100 to 150 within 2minutes, 240 ±5 , within 5seconds

Electrical Characteristics

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
*3Forward Voltage	V_F	$I_F= 10mA$	-	3.4	4.0	V
*4Luminous Intensity	I_V	$I_F= 10mA$	8	18	-	mcd
Peak Wavelength	λ_P	$I_F= 10mA$	-	470	-	nm
Spectrum Bandwidth		$I_F= 10mA$	-	26	-	nm
Reverse Current	I_R	$V_R=4V$	-	-	10	μA
*5Half angle	$\theta_{1/2}$	$I_F= 10mA$	-	±55	-	deg

*3. Pulse Time : 1ms *4. Pulse Time : 3ms

*5. $\theta_{1/2}$ is the off-axis angle where the luminous intensity is 1/2 the peak intensity

Characteristic Diagrams

Fig. 1 $I_F - V_F$

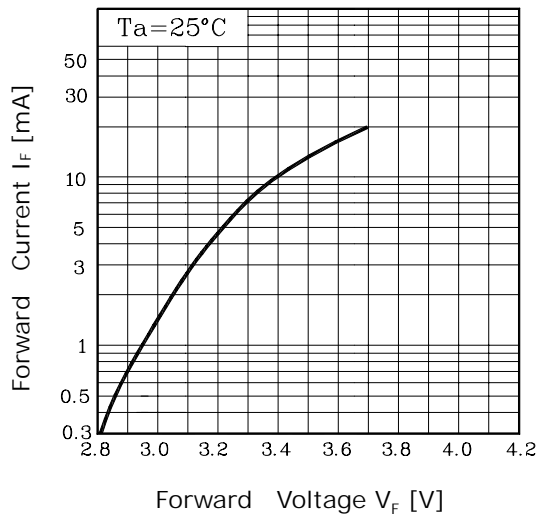


Fig. 2 $I_V - I_F$

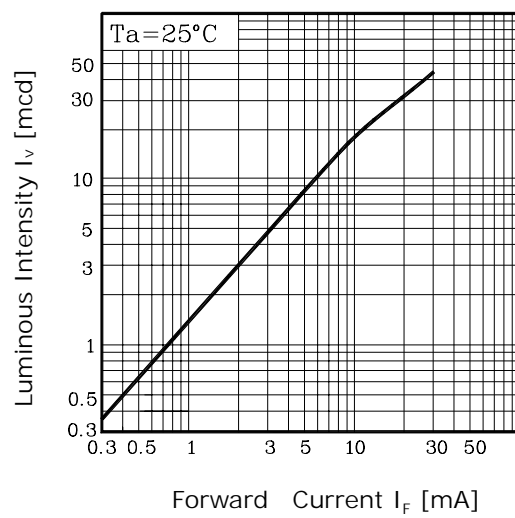


Fig. 3 $I_F - T_a$

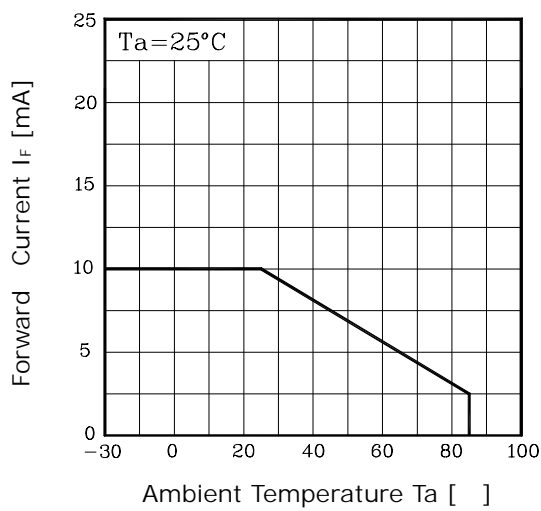


Fig.4 Spectrum Distribution

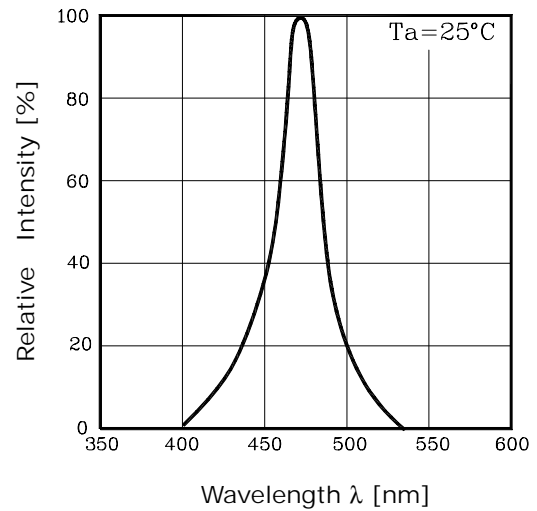


Fig. 5 Radiation Diagram

