

# LED

# LAMP

## Absolute Maximum Ratings

Parameter	Symbol	Value		Unit
		5U35E/YXXC-1A	5UXXG/B/WXXC-1A	
Forward Current	IF	25	25	mA
Peak Forward Current	IFP	150	100	mA
Reverse Voltage	VR	5		V
Operating Temperature	T <sub>opr</sub>	-30 to +65		°C
Storage Temperature	T <sub>stg</sub>	-30 to +85		°C
Soldering Temperature	T <sub>sd</sub>	260±5		°C

Note: \*1:IFP Conditions --- Pulse Width ≤ 1msec and Duty ≤ 1/10.  
\*2:Soldering time ≤ 5 seconds.

## Characteristics

(T<sub>a</sub> = 25°C)

5U35EXXC-1A	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Red	V <sub>F</sub>	IF=20mA	-	2.0	2.5	V
Reverse Current		I <sub>R</sub>	VR=5V	-	-	10	μA
Luminous Intensity		I <sub>v</sub>	IF=20mA	25	-	400	mcd
Dominant Wavelength		λ <sub>d</sub>	IF=20mA	610	-	640	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

5U35YXXC-1A	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Yellow	V <sub>F</sub>	IF=20mA	-	1.8	2.4	V
Reverse Current		I <sub>R</sub>	VR=5V	-	-	10	μA
Luminous Intensity		I <sub>v</sub>	IF=20mA	25	-	400	mcd
Dominant Wavelength		λ <sub>d</sub>	IF=20mA	580	-	597	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

5U35GXXC-1A	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Green	V <sub>F</sub>	IF=20mA	-	3.2	4.0	V
Reverse Current		I <sub>R</sub>	VR=5V	-	-	10	μA
Luminous Intensity		I <sub>v</sub>	IF=20mA	80	-	1500	mcd
Dominant Wavelength		λ <sub>d</sub>	IF=20mA	500	-	535	nm
Half Bandwidth		Δλ	IF=20mA	-	35	-	nm

5U35BXXC-1A	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Blue	V <sub>F</sub>	IF=20mA	-	3.2	4.0	V
Reverse Current		I <sub>R</sub>	VR=5V	-	-	10	μA
Luminous Intensity		I <sub>v</sub>	IF=20mA	25	-	400	mcd
Dominant Wavelength		λ <sub>d</sub>	IF=20mA	450	-	480	nm
Half Bandwidth		Δλ	IF=20mA	-	30	-	nm

5U41WXXC-1A	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	White	V <sub>F</sub>	IF=20mA	-	3.2	4.0	V
Reverse Current		I <sub>R</sub>	VR=5V	-	-	10	μA
Luminous Intensity		I <sub>v</sub>	IF=20mA	100	-	1200	mcd
Chromaticity Coordinates		X	IF=20mA	0.24	-	0.36	
		Y	IF=20mA	0.25	-	0.37	

## Feature

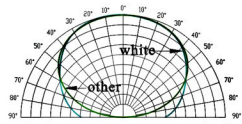
- 5Φ Round Package
- Water Clear
- Viewing Angle  
(2Φ 1/2:White160°, other140°)

## Applications

RED YELLOW GREEN BLUE WHITE

christmas lighting,  
back-light,electrical appliances.

## Radiation Diagram



Relative luminous intensity(%)

## Outline Dimensions

(Unit:mm)

