

# LED LAMP

## Absolute Maximum Ratings

Parameter	Symbol	Value			Unit
		5E34EXXD-1B1	5E3HGXXD-1B1	5E3HBXXD-1B1	
Forward Current	IF	25	25	25	mA
Peak Forward Current	IFP	150	100	100	mA
Electrostatic Discharge	ESD	-	2000	2000	V
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>slid</sub>	260±5			°C

## Feature

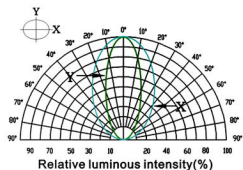
- 5Φ Oval Package
- Diffused, Tinted
- Viewing Angle  
(2θ 1/2:70° (X) / 40° (Y))

## Applications

RED GREEN BLUE

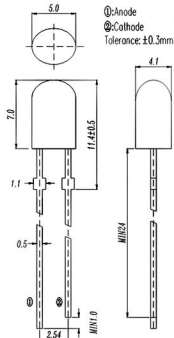
Indoor and outdoor displays, full color displays, accessories, electrical appliances.

## Radiation Diagram



## Outline Dimensions

(Unit:mm)



## Characteristics

(T<sub>a</sub> = 25°C)

5E34EXXD-1B1	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	240	-	1500	mcd
Dominant Wavelength		λ <sub>d</sub>	IF=20mA	615	625	635	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

5E3HGXXD-1B1	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	1100	-	6500	mcd
Dominant Wavelength		λ <sub>d</sub>	IF=20mA	515	525	535	nm
Half Bandwidth		Δλ	IF=20mA	-	35	-	nm

5E3HBXXD-1B1	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	330	-	2000	mcd
Dominant Wavelength		λ <sub>d</sub>	IF=20mA	460	470	480	nm
Half Bandwidth		Δλ	IF=20mA	-	30	-	nm

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