

# LED

# LAMP

## Absolute Maximum Ratings

Parameter	Symbol	Value		Unit
		5R34E/YXXC-9C	5R34G/BXXC-9C	
Forward Current	IF	25	25	mA
Peak Forward Current	IFP	150	100	mA
Reverse Voltage	VR	5		V
Operating Temperature	Topr	-30 to +65		°C
Storage Temperature	Tstg	-30 to +85		°C
Soldering Temperature	Tsld	260±5		°C

Note: \*1:IFP Conditions --- Pulse Width  $\leq$  1msec and Duty  $\leq$  1/10.

\*2:Soldering time  $\leq$  5 seconds.

## Feature

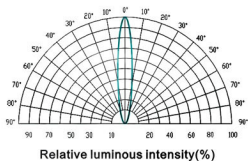
- 5Φ Round Package
- Water Clear
- Viewing Angle(2θ 1/2:15°)

## Applications

RED YELLOW GREEN BLUE

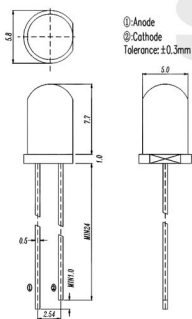
electrical appliances,  
architectural and decorating lighting

## Radiation Diagram



## Outline Dimensions

(Unit:mm)



## Characteristics

(Ta = 25°C)

5R34EYXXC-9C	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	800	-	15000	mcd
Dominant Wavelength		λ <sub>d</sub>	IF=20mA	610	-	640	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

5R34YXXC-9C	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Yellow	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	400	-	13000	mcd
Dominant Wavelength		λ <sub>d</sub>	IF=20mA	580	-	597	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

5R34GXCC-9C	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	1500	-	22000	mcd
Dominant Wavelength		λ <sub>d</sub>	IF=20mA	500	-	535	nm
Half Bandwidth		Δλ	IF=20mA	-	35	-	nm

5R34BXXC-9C	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	700	-	12000	mcd
Dominant Wavelength		λ <sub>d</sub>	IF=20mA	450	-	480	nm
Half Bandwidth		Δλ	IF=20mA	-	30	-	nm