

LED LAMP

Feature

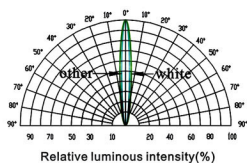
- 5Φ Round Package
 - Water Clear
 - Viewing Angle
- (2Φ 1/2: White 10°, Other 7°)

Applications

RED YELLOW GREEN BLUE WHITE

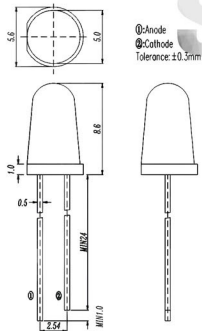
electrical appliances,
architectural and decorating lighting

Radiation Diagram



Outline Dimensions

(Unit:mm)



Absolute Maximum Ratings

Parameter	Symbol	Value		Unit
		5R35E/YXXC-NC	5RXXG/B/WXXC-NC	
Forward Current	IF	25	25	mA
Peak Forward Current	IFP	150	100	mA
Reverse Voltage	VR	5		V
Operating Temperature	T _{opr}	-30 to +65		°C
Storage Temperature	T _{stg}	-30 to +85		°C
Soldering Temperature	T _{slid}	260±5		°C

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

Characteristics

(Ta = 25°C)

5R35EXXC-NC	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Red	V _F	IF=20mA	-	2.0	2.5	V
Reverse Current		I _R	VR=5V	-	-	10	μA
Luminous Intensity		I _v	IF=20mA	1500	-	30000	mod
Dominant Wavelength		λ _d	IF=20mA	610	-	640	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

5R35YXXC-NC	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Yellow	V _F	IF=20mA	-	2.0	2.5	V
Reverse Current		I _R	VR=5V	-	-	10	μA
Luminous Intensity		I _v	IF=20mA	1500	-	30000	mod
Dominant Wavelength		λ _d	IF=20mA	580	-	595	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

5R35GXXC-NC	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Green	V _F	IF=20mA	-	3.2	4.0	V
Reverse Current		I _R	VR=5V	-	-	10	μA
Luminous Intensity		I _v	IF=20mA	4000	-	41000	mod
Dominant Wavelength		λ _d	IF=20mA	500	-	535	nm
Half Bandwidth		Δλ	IF=20mA	-	35	-	nm

5R35BXXC-NC	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Blue	V _F	IF=20mA	-	3.2	4.0	V
Reverse Current		I _R	VR=5V	-	-	10	μA
Luminous Intensity		I _v	IF=20mA	1000	-	21000	mod
Dominant Wavelength		λ _d	IF=20mA	450	-	480	nm
Half Bandwidth		Δλ	IF=20mA	-	30	-	nm

5R41WXXC-NC	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	White	V _F	IF=20mA	-	3.2	4.0	V
Reverse Current		I _R	VR=5V	-	-	10	μA
Luminous Intensity		I _v	IF=20mA	2500	-	35000	mod
Chromaticity Coordinates		X	IF=20mA	0.24	-	0.36	
		Y	IF=20mA	0.25	-	0.37	