

LED LAMP

Feature

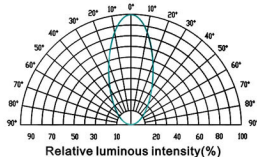
- 3Φ Round Package
- Water Clear
- Viewing Angle(2θ 1/2:45°)

Applications

RED YELLOW GREEN BLUE WHITE

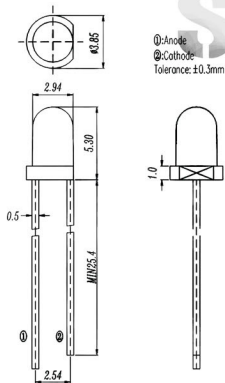
automotive interior,illumination accessories,electrical appliances.

Radiation Diagram



Outline Dimensions

(Unit:mm)



Absolute Maximum Ratings

Parameter	Symbol	Value		Unit
		3R49E/YXXC-2B	3RXXG/B/WXXC-2B	
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 _{sl} d	260±5		°C

Note:*1:IFP Conditions --- Pulse Width ≤ 1msec and Duty ≤ 1/10.

*2:Soldering time ≤ 5 seconds.

Characteristics

(Ta = 25°C)

3R49EXXC-2B	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	150	-	1800	mcd
Dominant Wavelength		λ _d	IF=20mA	610	-	640	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

3R49YXXC-2B	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	150	-	1800	mcd
Dominant Wavelength		λ _d	IF=20mA	580	-	595	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

3R49GXXC-2B	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	450	-	7700	mcd
Dominant Wavelength		λ _d	IF=20mA	500	-	535	nm
Half Bandwidth		Δλ	IF=20mA	-	35	-	nm

3R49BXXC-2B	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	150	-	2000	mcd
Dominant Wavelength		λ _d	IF=20mA	450	-	475	nm
Half Bandwidth		Δλ	IF=20mA	-	30	-	nm

3R41WXXC-2B	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	300	-	4500	mcd
Chromaticity Coordinates		X	IF=20mA	0.24	-	0.36	
		Y	IF=20mA	0.25	-	0.37	