

LED

LAMP

■ Absolute Maximum Ratings

Parameter	Symbol	Value		Unit
		3U49E/YXXC-2C	3UXXG/B/WXXC-2C	
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.

■ Feature

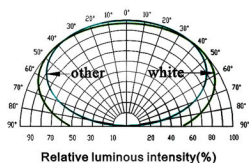
- 3Φ Round Package
 - Water Clear
 - Viewing Angle
- (2Φ 1/2:White 180°, Other 150°)

■ Applications

RED YELLOW GREEN BLUE WHITE

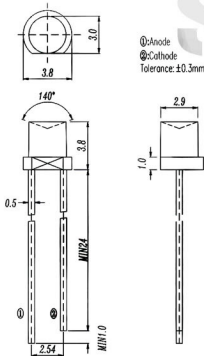
christmas lighting,
back-light, electrical appliances.

■ Radiation Diagram



■ Outline Dimensions

(Unit:mm)



■ Characteristics

(Ta = 25°C)

3U49EYXXC-2C	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	25	-	400	mcd
Dominant Wavelength		λ _d	IF=20mA	610	-	640	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

3U49YXXC-2C	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	25	-	400	mcd
Dominant Wavelength		λ _d	IF=20mA	580	-	597	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

3U49GXCC-2C	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	80	-	1500	mcd
Dominant Wavelength		λ _d	IF=20mA	500	-	535	nm
Half Bandwidth		Δλ	IF=20mA	-	35	-	nm

3U49BXXC-2C	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	25	-	400	mcd
Dominant Wavelength		λ _d	IF=20mA	450	-	475	nm
Half Bandwidth		Δλ	IF=20mA	-	30	-	nm

3U41WXXC-2C	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	100	-	1200	mcd
Chromaticity Coordinates		X	IF=20mA	0.24	-	0.36	
		Y	IF=20mA	0.25	-	0.37	