

LED

LAMP

Absolute Maximum Ratings

Parameter	Symbol	Value		Unit
		5R3DE/YXXC-DA	5RXG/B/WXXC-DA	
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 ≤ 1msec and Duty ≤ 1/10.
*2:Soldering time ≤ 5 seconds.

Characteristics

(Ta = 25°C)

5R3DEXXC-DA	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	30	-	420	mcd
Dominant Wavelength		λ _d	IF=20mA	610	-	640	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

5R3DYXXC-DA	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	30	-	420	mcd
Dominant Wavelength		λ _d	IF=20mA	580	-	597	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

5R3DGXXC-DA	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	-	1700	mcd
Dominant Wavelength		λ _d	IF=20mA	500	-	535	nm
Half Bandwidth		Δλ	IF=20mA	-	35	-	nm

5R3DBXXC-DA	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	30	-	400	mcd
Dominant Wavelength		λ _d	IF=20mA	450	-	480	nm
Half Bandwidth		Δλ	IF=20mA	-	30	-	nm

5R41WXXC-DA	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	130	-	2000	mcd
Chromaticity Coordinates		X	IF=20mA	0.24	-	0.36	
		Y	IF=20mA	0.25	-	0.37	

Feature

- 5Φ Round Package
- Water Clear
- Viewing Angle

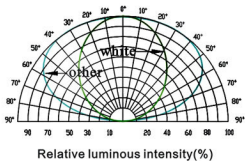
(2 @ 1/2:White 100°, Other 150°)

Applications

RED YELLOW GREEN BLUE WHITE

lamps and lanterns
accessories, electrical appliances.

Radiation Diagram



Outline Dimensions

(Unit:mm)

