

LED

LAMP

Absolute Maximum Ratings

Parameter	Symbol	Value			Unit
		8R35EXXC-1A1	8R35YXXC-1A1	8R35GXXC-1A1	
Forward Current	IF	25	25	25	mA
Peak Forward Current	IFP	150	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}	260±5			°C

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

*2:Soldering time ≒ 5 seconds.

Feature

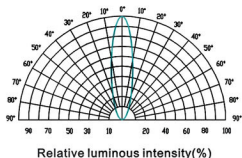
- 8Φ Round Package
- Water Clear
- Viewing Angle(2θ 1/2:25°)

Applications

RED YELLOW GREEN

traffic signals, indoor & outdoor displays accessories, electrical appliances.

Radiation Diagram

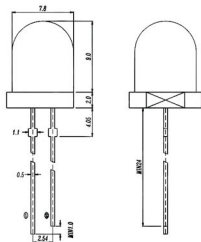


Outline Dimensions

(Unit:mm)



⊕:Anode
⊙:Cathode
Tolerance:10.3mm



Characteristics

(Ta = 25°C)

8R35EXXC-1A1	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	2500	-	12000	mcad
Dominant Wavelength		λ _d	IF=20mA	620	625	630	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

8R35YXXC-1A1	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	2500	-	12000	mcad
Dominant Wavelength		λ _d	IF=20mA	585	590	595	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

8R35GXXC-1A1	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	2500	-	12000	mcad
Dominant Wavelength		λ _d	IF=20mA	495	505	510	nm
Half Bandwidth		Δλ	IF=20mA	-	30	-	nm