

LED

LAMP

Absolute Maximum Ratings

Parameter	Symbol	Value			Unit
		5S35EXXD-AA1	5S49GXXD-AA1	5S49BXXD-AA1	
Forward Current	IF	25	25	25	mA
Peak Forward Current	IFP	150	100	100	mA
Electrostatic Discharge	ESD	-	800	800	V
Reverse Voltage	VR	5			V
Operating Temperature	Topr	-30 to +65			°C
Storage Temperature	Tstg	-30 to +85			°C
Soldering Temperature	Tslid	260±5			°C

Feature

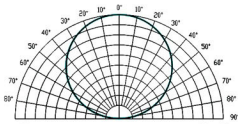
- Rectangle Package
- Diffused, Tinted
- Viewing Angle(2 θ 1/2:120°)

Applications

RED GREEN BLUE

Indoor displays, full color displays, accessories, electrical appliances.

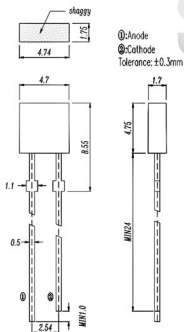
Radiation Diagram



Relative luminous intensity(%)

Outline Dimensions

(Unit:mm)



Characteristics

(Ta = 25°C)

5S35EXXD-AA1	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	80	-	500	mcd
Dominant Wavelength		λ _d	IF=20mA	615	625	635	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

5S49GXXD-AA1	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	380	-	2200	mcd
Dominant Wavelength		λ _d	IF=20mA	515	525	535	nm
Half Bandwidth		Δλ	IF=20mA	-	35	-	nm

5S49BXXD-AA1	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	120	-	700	mcd
Dominant Wavelength		λ _d	IF=20mA	460	470	480	nm
Half Bandwidth		Δλ	IF=20mA	-	30	-	nm

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