

LED LAMP

Absolute Maximum Ratings

Parameter	Symbol	Value			Unit
		4E34EXXD-5A1	4E3HGXXD-5A1	4E3HBXXD-5A1	
Forward Current	IF	25	25	25	mA
Peak Forward Current	IFP	150	100	100	mA
Electrostatic Discharge	ESD	-	2000	2000	V
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

Feature

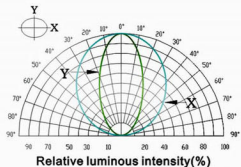
- 4Φ Oval Package
- Diffused, Tinted
- Viewing Angle
(2θ 1/2:105° (X) / 50° (Y))

Applications

RED GREEN BLUE

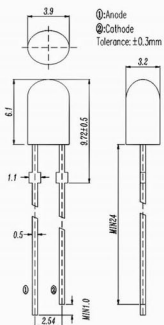
Indoor and outdoor displays, full color displays, accessories, electrical appliances.

Radiation Diagram



Outline Dimensions

(Unit:mm)



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

Characteristics

(Ta = 25°C)

4E34EXXD-5A1	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	180	-	1100	mcd
Dominant Wavelength		λ _d	IF=20mA	615	625	635	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

4E3HGXXD-5A1	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	810	-	4900	mcd
Dominant Wavelength		λ _d	IF=20mA	515	525	535	nm
Half Bandwidth		Δλ	IF=20mA	-	35	-	nm

4E3HBXXD-5A1	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	250	-	1500	mcd
Dominant Wavelength		λ _d	IF=20mA	460	470	480	nm
Half Bandwidth		Δλ	IF=20mA	-	30	-	nm