

KB464AR61 (KLB-521 R)**1. Descriptions**

KB464AR61 (KLB-521 R) is a high bright AlInGaP red LED and has the optimized optical characteristics.

2. Features

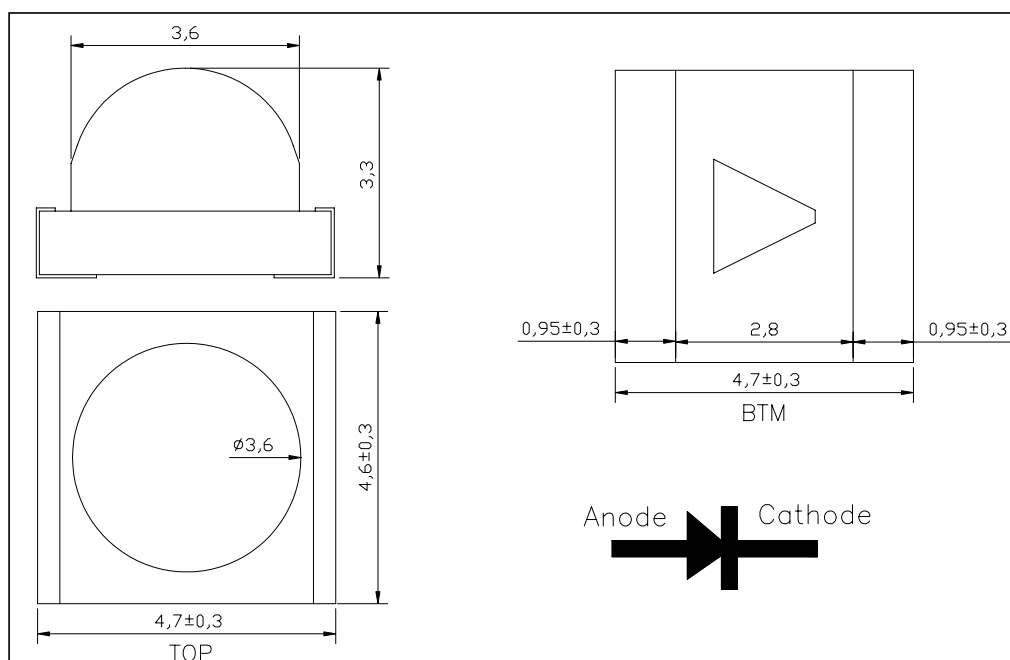
- ◆ Transparent epoxy lens
- ◆ High Optical Output
- ◆ Typical Luminous Intensity(IV)
: 1.0cd for Red @ IF=20mA

3. Application

- ◆ Display
- ◆ Indicator
- ◆ Signage
- ◆ Auto Focus
- ◆ Amusement

4. Outline Dimensions and Material Descriptions

- ◆ Outline Dimensions



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KB464AR61 (KLB-521 R)

5. Absolute Maximums

[Ta=25°C]

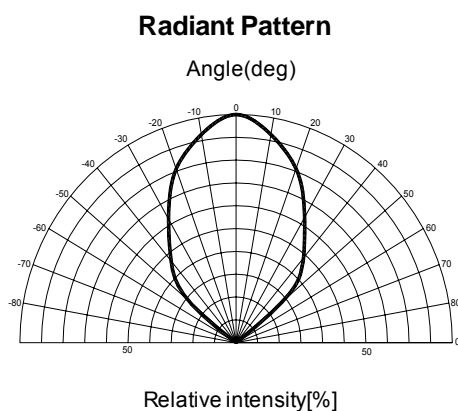
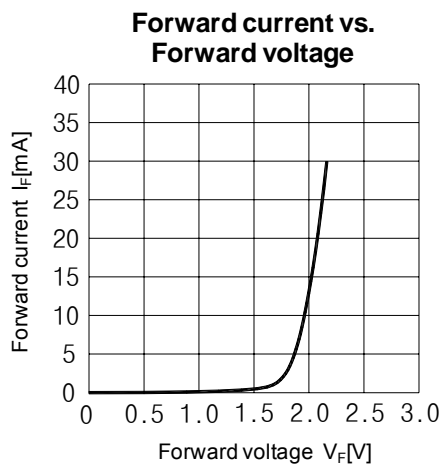
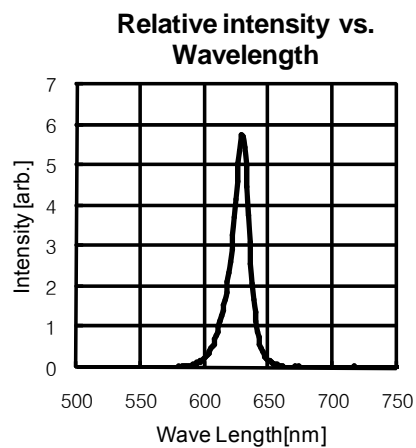
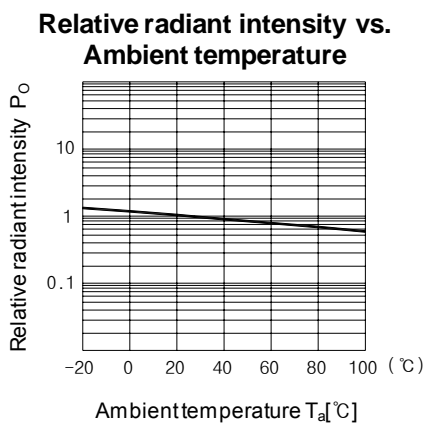
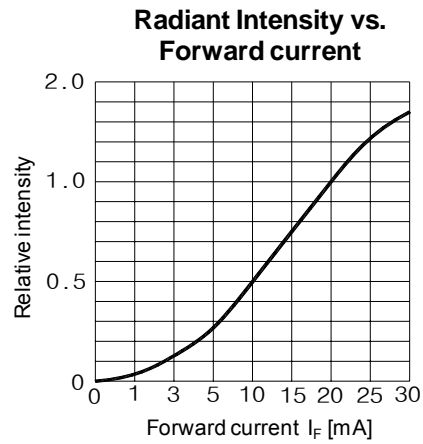
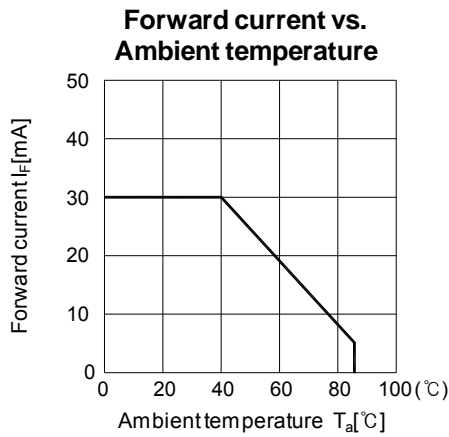
Parameter	Symbol	Ratings	Unit
Reverse voltage	V_R	5	V
Forward current	I_F	30	mA
Pulse forward current *1	I_{FP}	0.3	A
Power dissipation	P_D	70	mW
Operating temperature	$T_{opr.}$	-30 ~ +85	°C
Storage temperature	$T_{stg.}$	-40 ~ +100	°C
Soldering Temperature	$T_{sol.}$	260	°C

*1. IFP Measured under duty $\frac{1}{100}$ @ $t_w=10ms$ 6. Electro-Optical Characteristics ($T_A = 25^\circ C$)

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 20 \text{ mA}$		2.1	2.5	V
Reverse current	I_R	$V_R = 5 \text{ V}$	-	-	50	μA
Luminous Intensity	I_V	$I_F = 20 \text{ mA}$	0.7	1.0	-	cd
Dominant Wave Length	λ_D	$I_F = 20 \text{ mA}$	615	-	630	nm
Spectral half bandwidth	$\Delta\lambda$	$I_F = 20 \text{ mA}$	-	15	-	nm
Half angle	$2\Delta\theta_{1/2}$	$I_F = 20 \text{ mA}$	-	80	-	deg.

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7. Characteristic Graphs



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