

KB464APIK (KLB-521 P)**1. Descriptions**

KB464APIK (KLB-521 P) is a high bright pink color LED, which has a blue LED chip and is encapsulated by epoxy mixed with phosphor.

2. Features

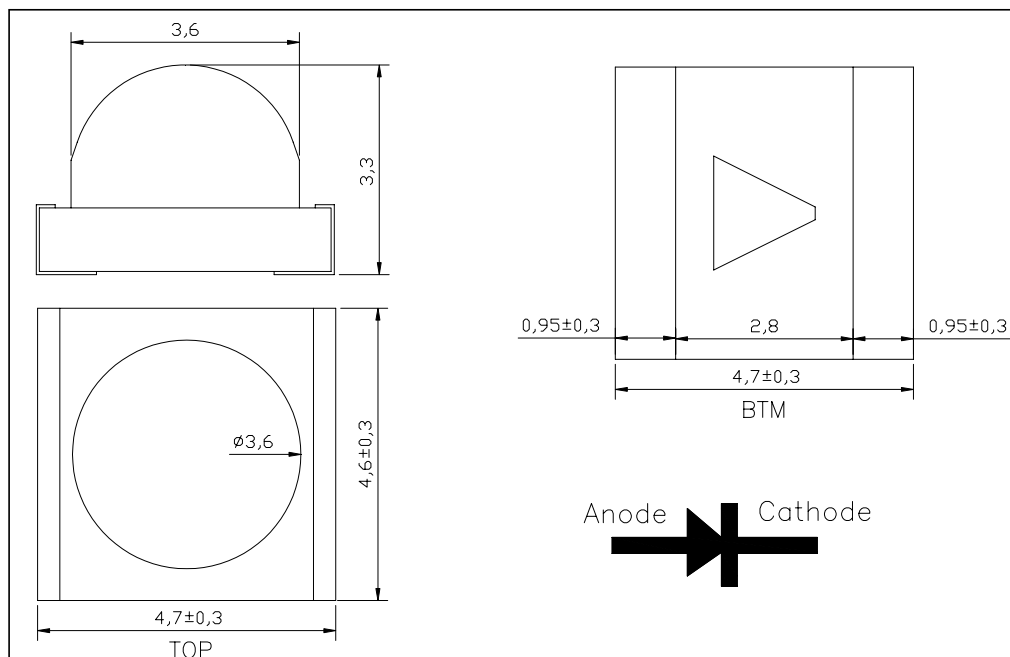
- ◆ Transparent epoxy lens
- ◆ High Optical Output
- ◆ Typical Luminous Intensity(IV)
: 800mcd for Pink @ IF=20mA

3. Application

- ◆ Display
- ◆ Indicator
- ◆ Signage
- ◆ Amusement

4. Outline Dimensions and Material Descriptions

- ◆ Outline Dimensions



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KB464APIK (KLB-521 P)**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}	0.5	A
Power dissipation	P_D	105	mW
Operating temperature	$T_{opr.}$	-30 ~ +85	°C
Storage temperature	$T_{stg.}$	-40 ~ +100	°C
Soldering Temperature	$T_{sol.}$	260	°C

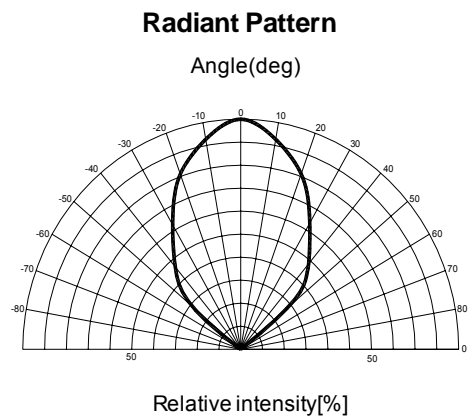
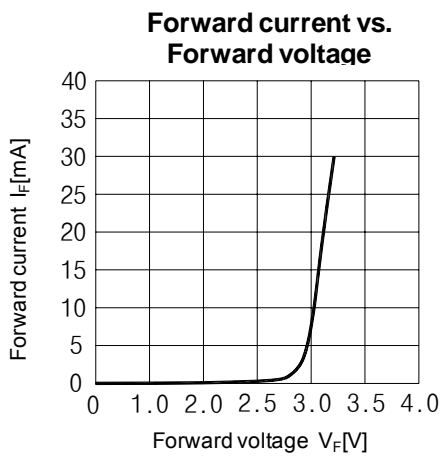
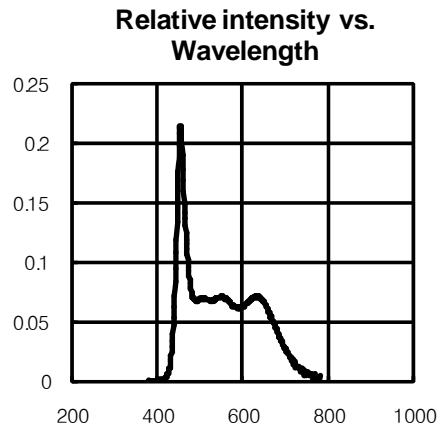
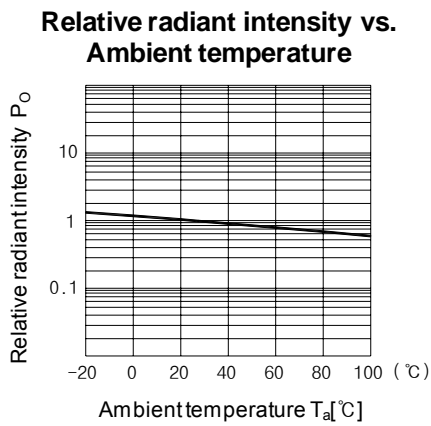
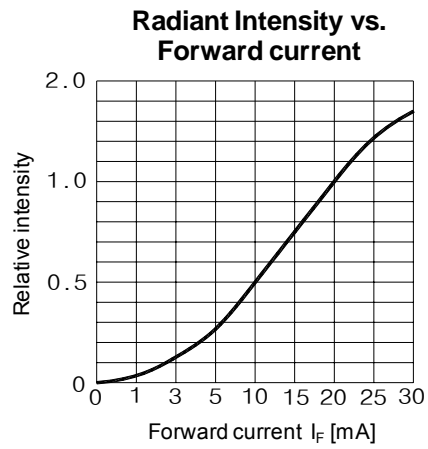
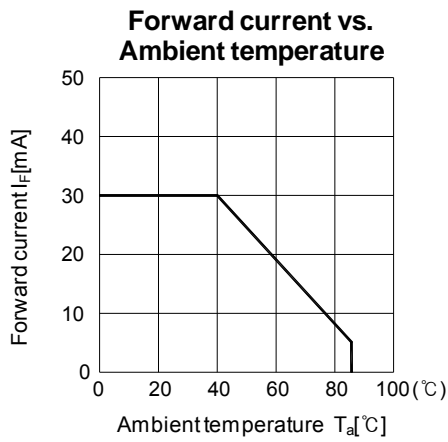
*1. I_{FP} Measured under duty $\leq 1/100$ @ $t_w=10ms$ **6. Electro-Optical Characteristics (T_A = 25 °C)**

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage ^{*1}	V_F	$I_F = 20 \text{ mA}$	2.8	3.2	3.6	V
Reverse current	I_R	$V_R = 5 \text{ V}$	-	-	50	uA
Luminous Intensity	I_v	$I_F = 20 \text{ mA}$	0.6	0.8	-	cd
Color Coordinate	X	$I_F = 20 \text{ mA}$	0.2	-	0.25	
	Y		0.06	-	0.12	
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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