

KLP-34RG-X-X

KLP-34RG has a high bright InGaAlP red LED and a high bright InGaN green LED.

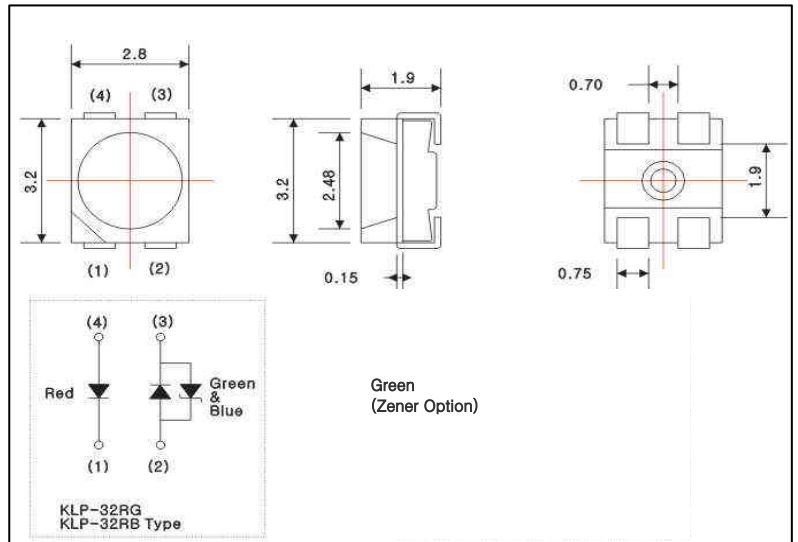
Features

- Transparent epoxy Encapsulant
- High Optical Output

Applications

- Display
- Indicator
- Signage

DIMENSIONS



Maximum Ratings

[Ta=25°C]

Parameter	Symbol	Ratings	Unit
Reverse Voltage (w/o Zener)	V_R	5	V
Reverse current (w Zener)	I_R	50	mA
Forward current	I_F	30	mA
Pulse forward current *1	I_{FP}	0.1	A
Power dissipation	P_D	180	mW
Operating temperature	$T_{opr.}$	-30 ~ +85	°C
Storage temperature	$T_{stg.}$	-40 ~ +105	°C
Soldering Temperature *2	$T_{sol.}$	260	°C

*1. I_{FP} Measured under duty $\frac{1}{10}$ @ 1KHz

*2. Soldering time \leq 5 Sec

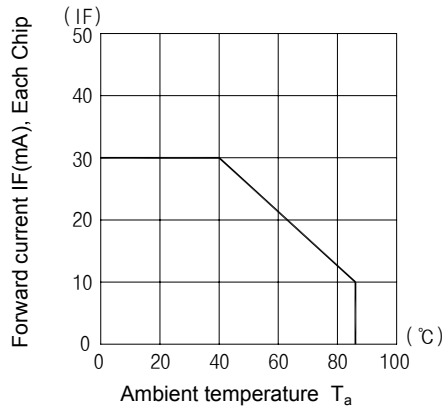
Electro-Optical Characteristics

[Ta=25°C]

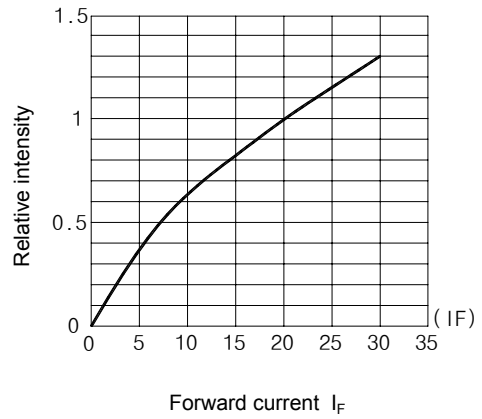
Parameter	Symbol	Conditions	Min	Typ	Max	Unit	
Forward voltage	V_F	$I_F = 20 \text{ mA}$	R	-	2.0	2.5	V
			G	-	3.3	3.9	
Optical Output Power	P_o	$I_F = 20 \text{ mA}$	R	4.00	5.50	-	mW
			G	3.50	5.00	-	
	I_v	$I_F = 20 \text{ mA}$	R	300	350	-	mcd
			G	650	750	-	
Peak emission wavelength	λ_p	$I_F = 20 \text{ mA}$	R	-	630	-	nm
			G	-	520	-	
Doninant Wave Length	λ_d	$I_F = 20 \text{ mA}$	R	620	-	635	nm
			G	515	-	535	
Spectral half bandwidth	$\Delta\lambda$	$I_F = 20 \text{ mA}$	R	-	20	-	nm
			G	-	30	-	
Half angle	$\Delta\theta$	$I_F = 20 \text{ mA}$	-	120	-	deg.	

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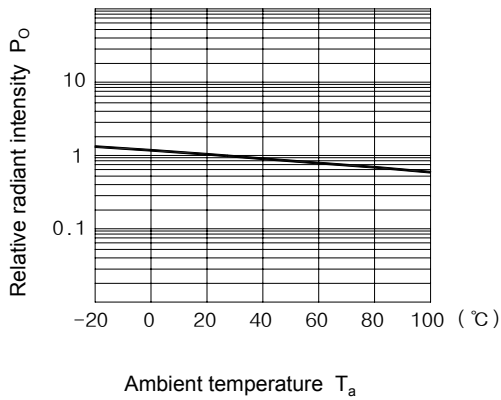
Forward current vs. Ambient temperature



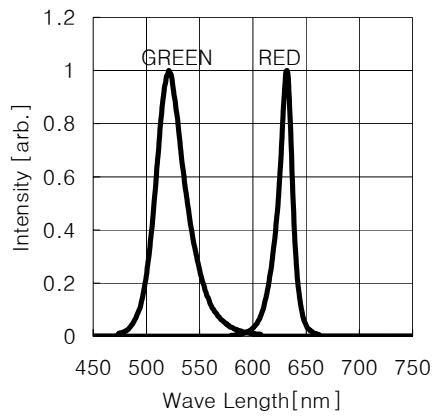
Radiant Intensity vs. Forward current



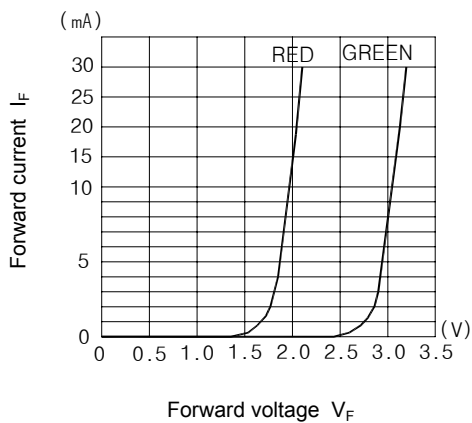
Relative radiant intensity vs. Ambient temperature



Relative intensity vs. Wavelength



Forward current Vs. Forward voltage



Radiant Pattern

