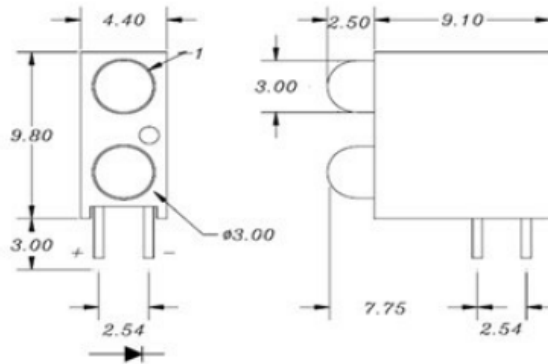


PACKAGE DIMENSION



Selection Guide

Part No.	Chip		Lens Color	Iv(mcd)(If=20mA)			Viewing Angle (2θ½)
	Raw Material	Emitted Color		MIN	TYP	MAX	
KLHDual-3RG	AlGaInP	Red	Red Tiny Diffused	-	200	-	45°
	AlGaInP	Yellow Green	Green Tiny Diffused	-	200	-	45°

Absolute Maximum Ratings(Ta=25C°)

Item	Symbol	Maximum	Unit
Power Dissipation	PD	R	72
		G	62
Peak Forward Current	IFP	R	90
		G	140
Continuous Forward Current	IFmax	25	mA
Reverse Voltage	VR	5	V
Operating / Storage Temperature Range	Topr / Tstg	-40°C to +85°C	
Lead Solder Temperature	Tsol	260°C for 3 seconds	

Electrical / Optical Characteristics(Ta=25C°)

Item	Symbol	Min.		Typ.		Max.		Unit	Condition
		R	G	R	G	R	G		
Peak Wavelength	λp	-	-	645	568	-	-	nm	If=20mA
Dominant Wavelength	λd	628	565	635	570	645	575	nm	If=20mA
Forward Voltage	VF	1.8	1.8	2.0	2.2	2.6	2.6	V	If=20mA
Reverse Current	IR	-	-	-	-	10	10	uA	VR=5V

NOTES:

1. All dimensions are in millimeter(inch);
2. Tolerance is ±0.25mm(0.01") especially other specified; Luminous intensity tolerance is ±10%;
3. Dominant Emission Wavelength tolerance is ±5%; Specifications are subject to change without notice.

■ Typical Electro-Optical Characteristic Curve:

FIG. 1 Forward Current Vs. Forward Voltage

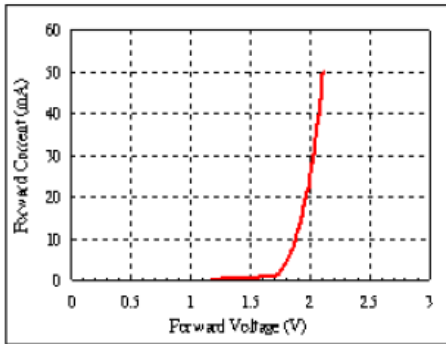


FIG. 2 Relative Intensity Vs. Forward Current

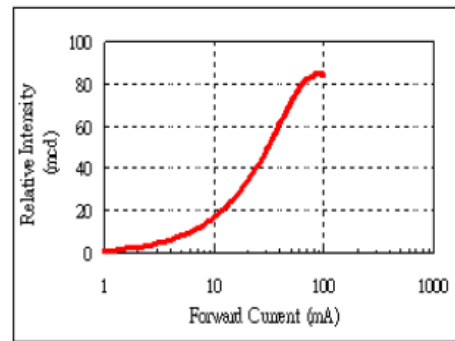


FIG. 3 Forward Voltage Vs. Temperature

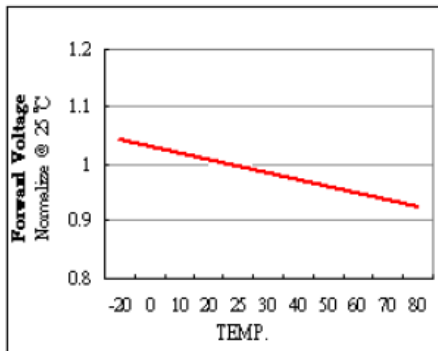


FIG. 4 Relative Intensity Normalized @ 25°C vs. Temperature

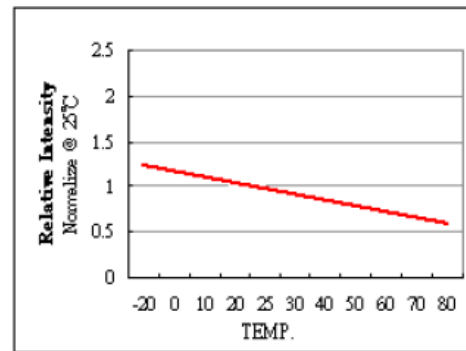
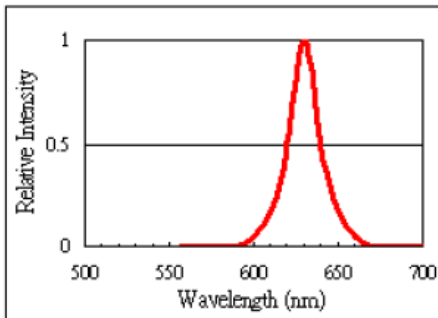


FIG. 5 Relative Intensity Vs. Wavelength



■ **Typical Electro-Optical Characteristic Curve:**

FIG. 1 Forward Current Vs. Forward Voltage

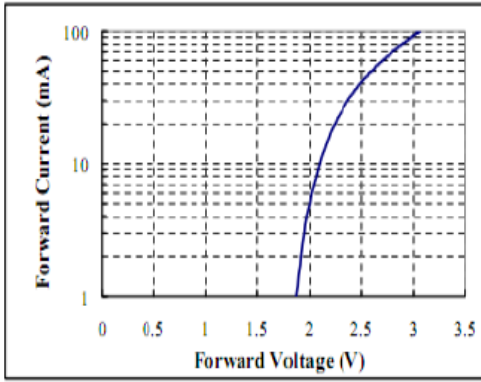


FIG. 2 Relative Intensity Vs. Forward Current

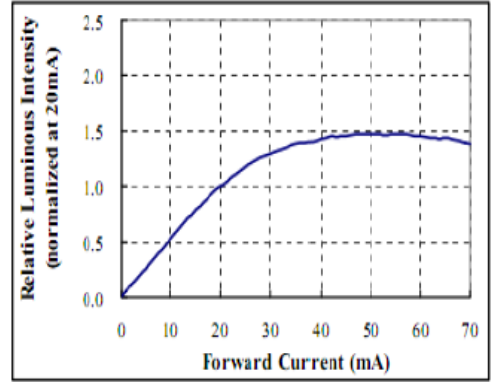


FIG. 3 Forward Voltage Vs. Temperature

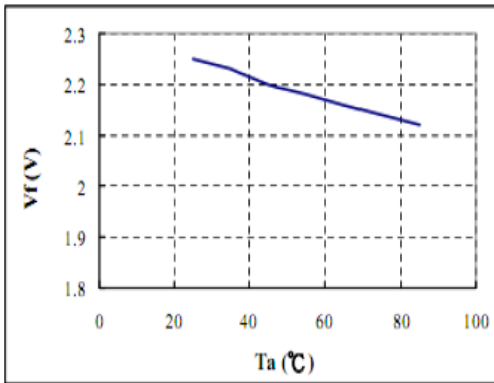


FIG. 4 Relative Intensity Vs. Temperature

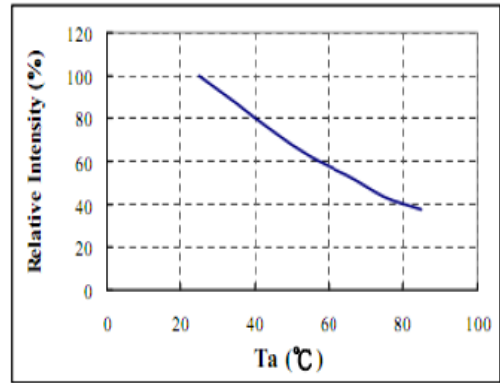
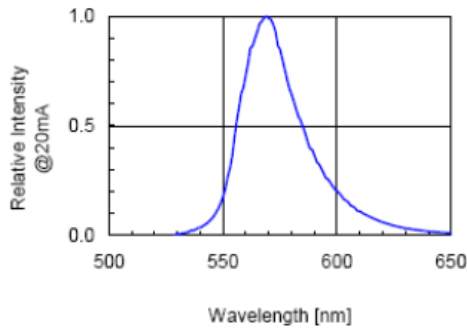


FIG. 5 Relative Intensity Vs. Wavelength



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