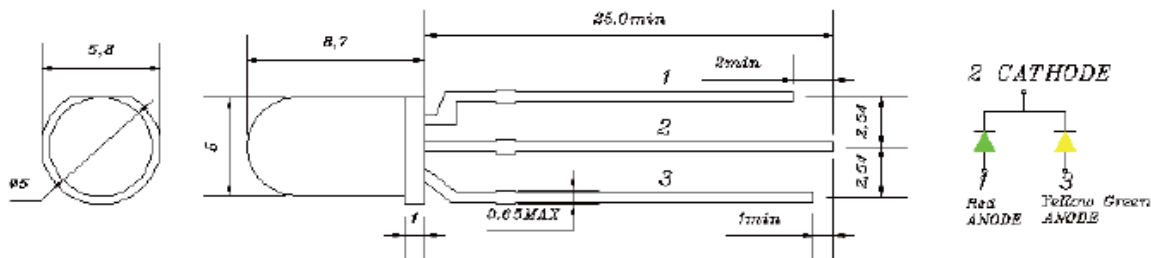


**BULK & PACKING DIMENSIONS**



**Selection Guide**

Part No.	Chip:		Lens Color	I <sub>v</sub> (mcd)(I <sub>F</sub> =20mA)			Viewing Angle (2θ <sub>1/2</sub> )
	Raw Material	Emitted Color		MIN	TYP	MAX	
KL55RGD	AlGaInP	Red	Milky	100	200	-	60°
	GaP	Yellow Green		20	50	-	60°

**Absolute Maximum Ratings(T<sub>a</sub>=25°C°)**

Item	Symbol	Maximum	Unit
Power Dissipation	P <sub>D</sub>	R	65
		G	65
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	I <sub>FP</sub>	R	160
		G	140
Continuous Forward Current	I <sub>Fmax</sub>	25	mA
Reverse Voltage	V <sub>R</sub>	5	V
Capacitance	C	R	15
		G	15
Operating / Storage Temperature Range	Topr / Tstg	-40°C to +85°C	
Lead Solder Temperature	Tsol	260°C for 3 seconds	

**Electrical / Optical Characteristics(T<sub>a</sub>=25°C°)**

Item	Symbol	Min.		Typ.		Max.		Unit	Condition
		R	G	R	G	R	G		
Peak Wavelength	λ <sub>p</sub>	-	-	645	568	-	-	nm	I <sub>F</sub> =20mA
Dominant Wavelength	λ <sub>d</sub>	628	565	631	572	645	575	nm	I <sub>F</sub> =20mA
Forward Voltage	V <sub>F</sub>	1.8	1.8	2.0	2.20	2.60	2.60	V	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>	-	-	-	-	10	10	uA	V <sub>R</sub> =5V

■ Typical Electro-Optical Characteristic Curve:

FIG. 1 Forward Current Vs. Forward Voltage

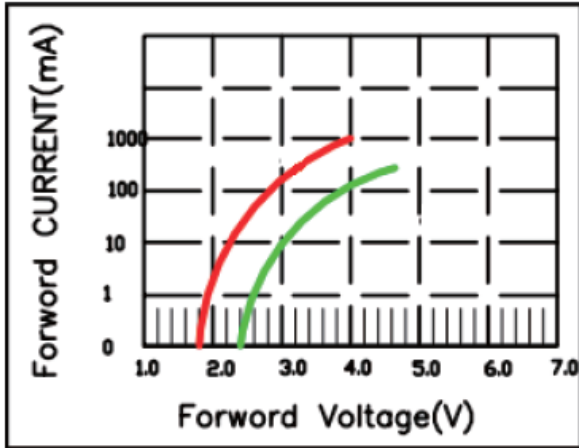


FIG. 2 Relative Intensity Vs. Forward Current

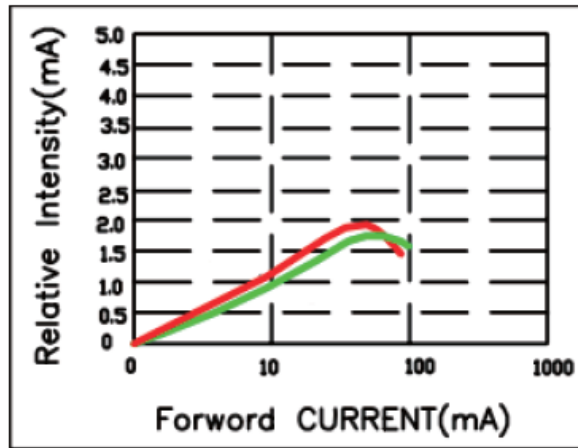


FIG. 3 Forward Voltage Vs. Temperature

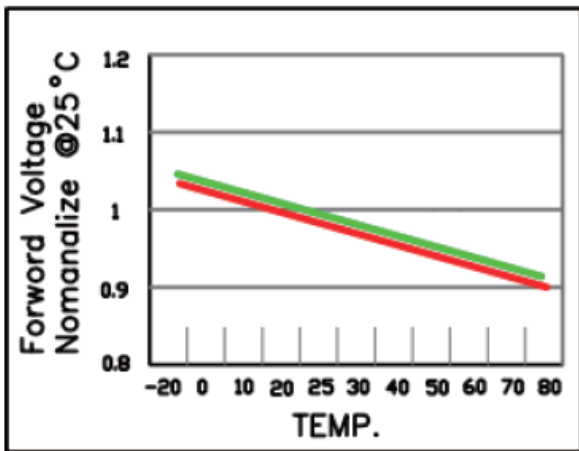


FIG. 4 Relative Intensity Vs. Temperature

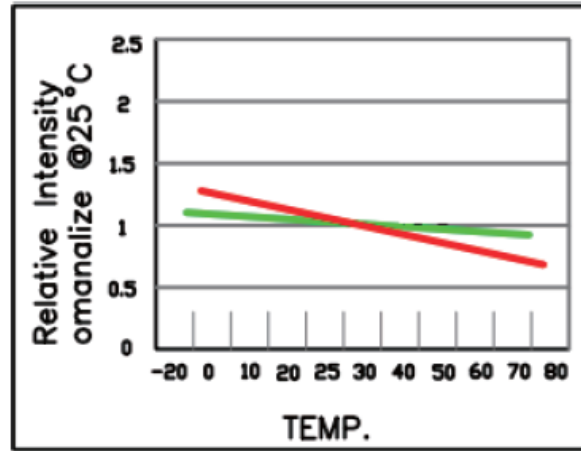
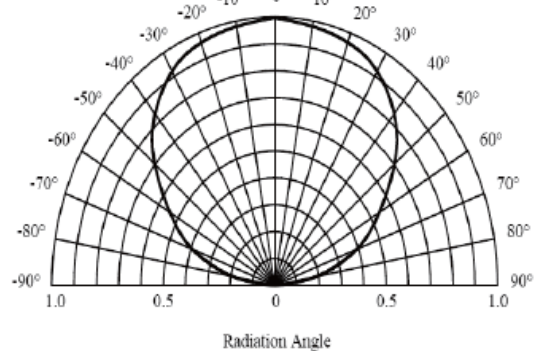
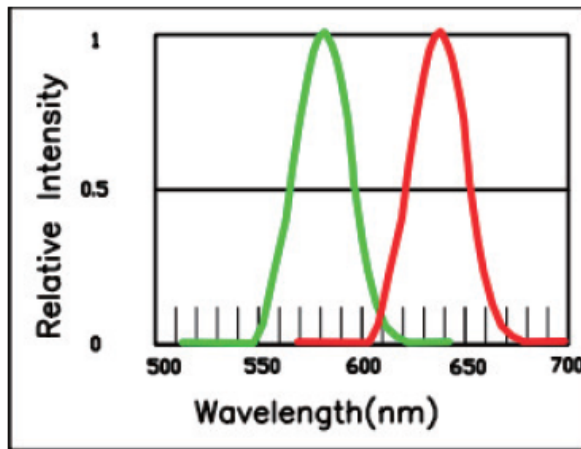


FIG. 5 Relative Intensity Vs. Wavelength



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