

Electrical / Optical Characteristics at Ta = 25°C

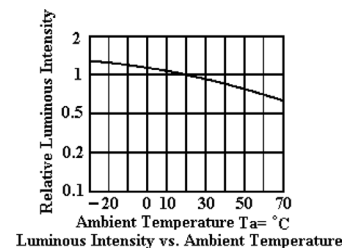
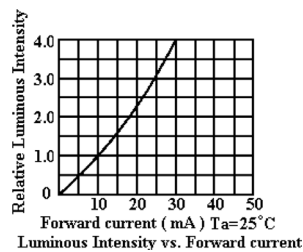
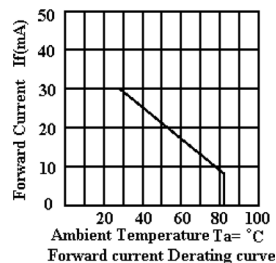
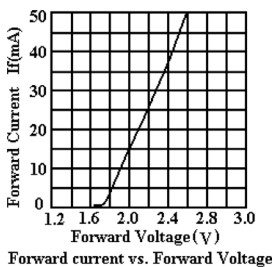
Parameter	Symbol	Min.	TYP PUR/XG	Max.	Unit	Test
Luminous Intensity	IV	70/35	100/50	150/65	mcd	IF = 20mA
Viewing Angle	2θ1/2		45		deg	
Peak Emission Wavelength	λp		653/570		nm	
Dominant Wavelength	λD		640/570		nm	
Spectral Line Half-Width	Δλ		20/30		nm	
Forward Voltage	VF	1.8/1.8	1.9/2	2.3/2.6	V	
Power Dissipation	Pd	-	-	85	mW	
Peak Forward Current (Duty1/10 @ 1KHZ)	IF (Peak)			100	mA	
Forward Current	IF		20		mA	

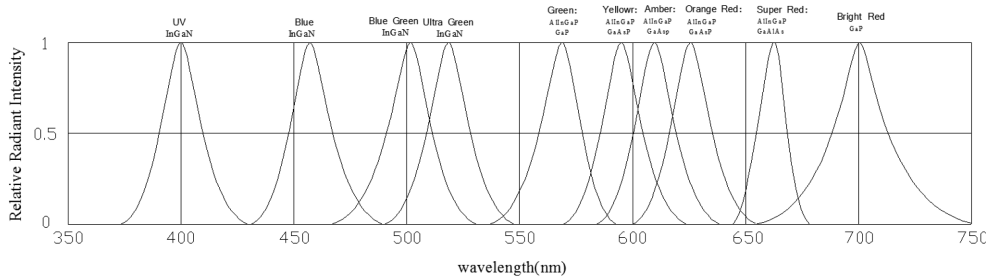
Absolute Maximum Ratings: (Ta = 25°C)

Reverse Voltage : 5V
 Reverse Current : 10 uA (VR=5V)
 Operating Temperature Range : -40°C to 85°C
 Storage Temperature Range : -40°C to 100°C
 Lead Soldering Temperature Range : 260°C For 5 Seconds
 (1.6 mm (1/16 inch) from body)

Typical Electro-Optical Characteristics Curves

Ultra Red (AlInGaP λP=653nm)

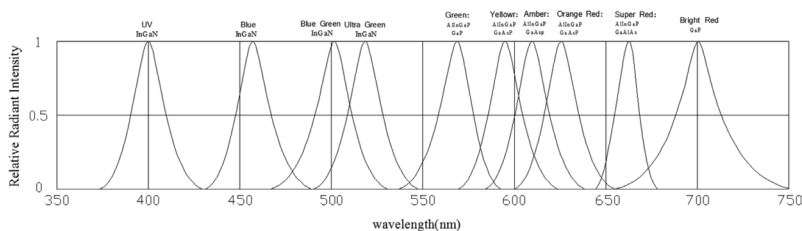
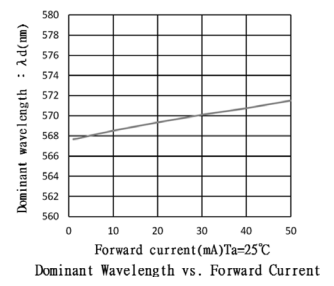
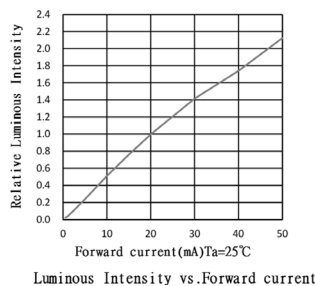
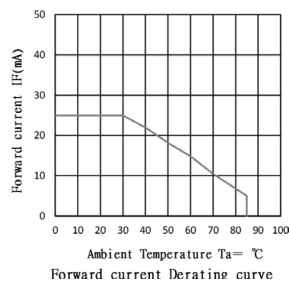
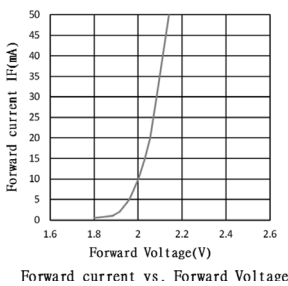




Relative Intensity VS. wavelength

Typical Electro-Optical Characteristics Curves

Green (AlInGaP $\lambda_P=570\text{nM}$)



Relative Intensity VS. wavelength

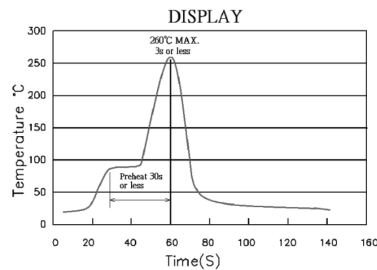
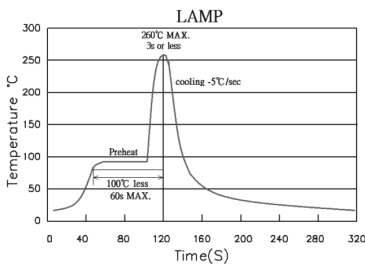
Soldering Iron

Temperature at tip of iron : 350°C Max.

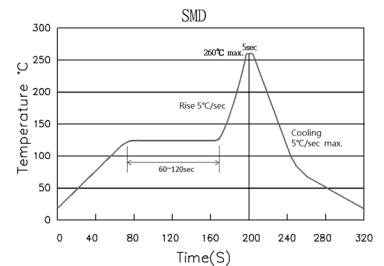
Soldering Time: 3 sec. ± 1 sec. (one time only)

If temperature is higher, time should be shorter

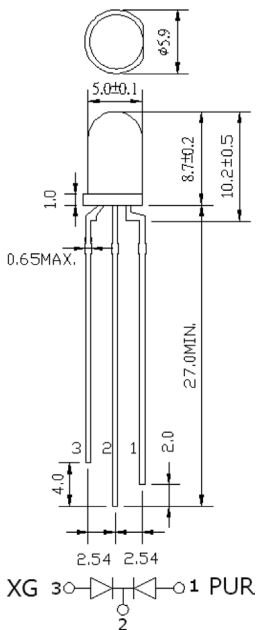
Soldering heat (DIP)



Reflow Temp./Time(SMD)



Diagram



Part Number Table

Description	Part Number
Multicolor LED, Red and Green, 5mm	L059PURXGW

Dimensions : Millimetres

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