

**RoHS
Compliant**

Electrical / Optical Characteristics at Ta = 25°C

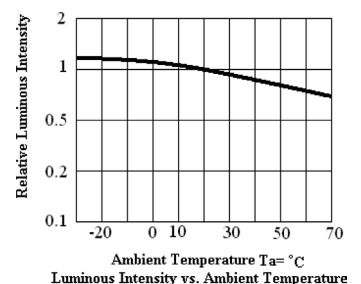
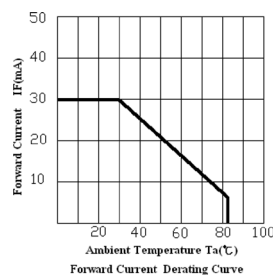
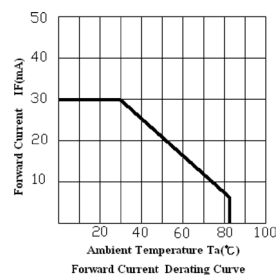
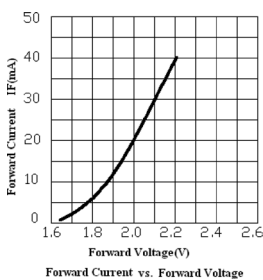
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test
Luminous Intensity	IV	125/30	150/40	200/60	mcd	IF = 20mA
Viewing Angle	2θ1/2		70		deg	
Peak Emission Wavelength	λp		653/570		nm	
Dominant Wavelength	λD	567	640/570	573	nm	
Spectral Line Half-Width	Δλ		18/30		nm	
Forward Voltage	VF	1.8/1.8	1.9/2.1	2.4/2.4	V	
Power Dissipation	Pd	-	-	85	mW	
Peak Forward Current (Duty1/10 @ 1KHZ)	IF (Peak)			100	mA	
Recommended Operating Current	IF (Rec)		20		mA	

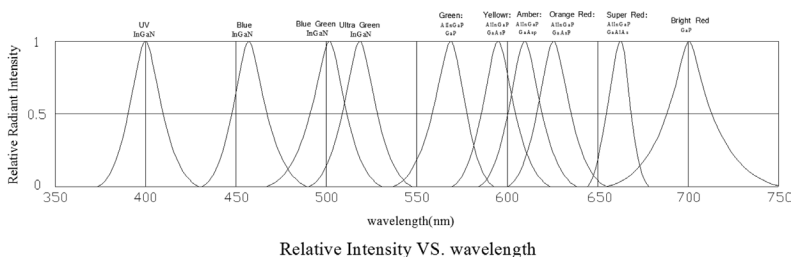
Absolute Maximum Ratings: (Ta = 25°C)

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

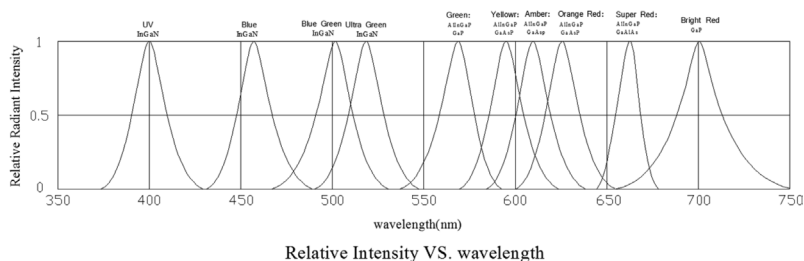
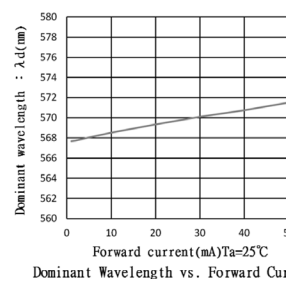
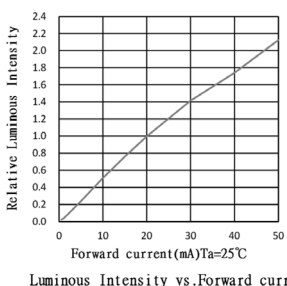
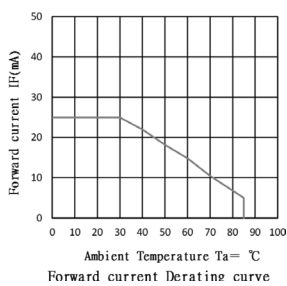
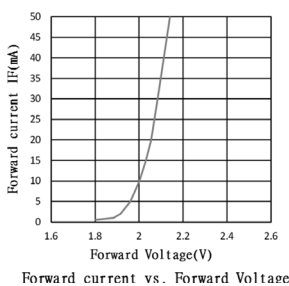
Ultra Red (AlInGaP λP=653nm)





Typical Electro-Optical Characteristics Curves

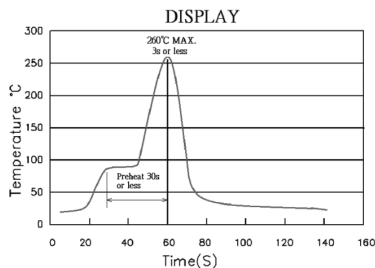
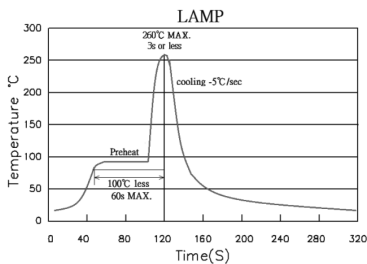
Green (AlInGaP $\lambda_P=570\text{nm}$)



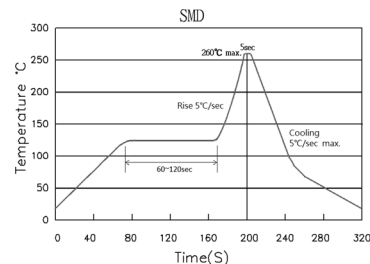
Soldering Iron

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)

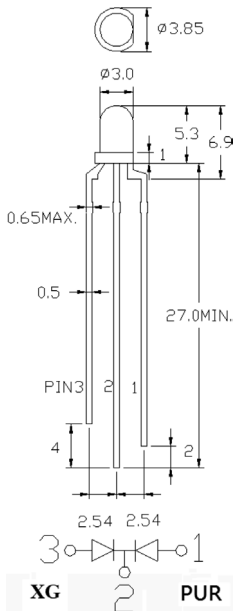


Reflow Temp./Time(SMD)



Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
 sg.element14.com/b/multicomp-pro

Diagram



Part Number Table

Description	Part Number
Multicolor LED, Red and Green, 3mm	L039PURXGW

Dimensions : Millimetres

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