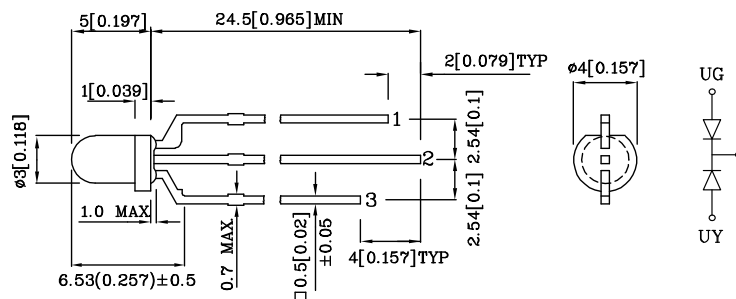


- UNIFORM LIGHT OUTPUT.
- LOW POWER CONSUMPTION.
- 3 LEADS WITH ONE COMMON LEAD.
- I.C. COMPATIBLE.
- LONG LIFE - SOLID STATE RELIABILITY.
- RoHS COMPLIANT.



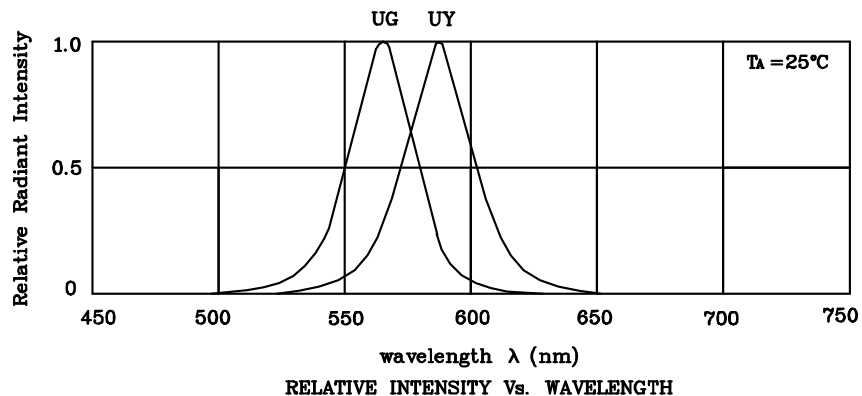
1 ANODE GREEN
2 COMMON CATHDDE
3 ANODE YELLOW

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.

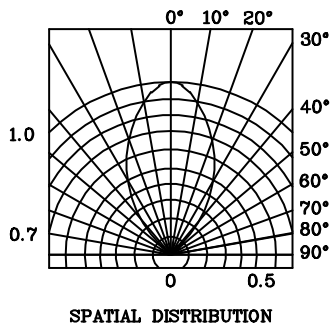
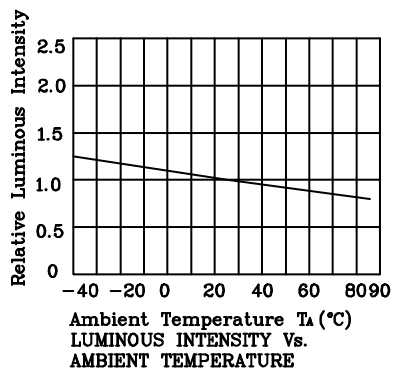
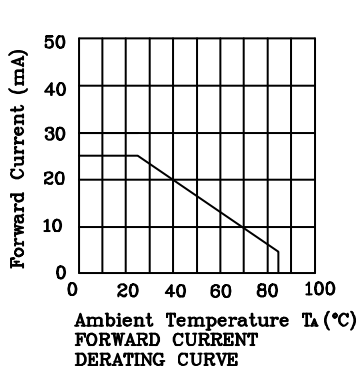
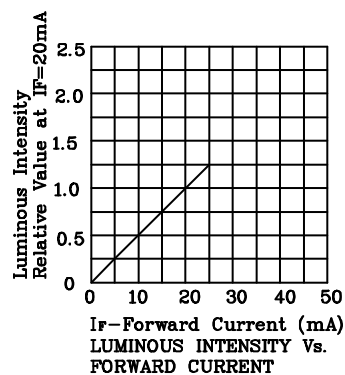
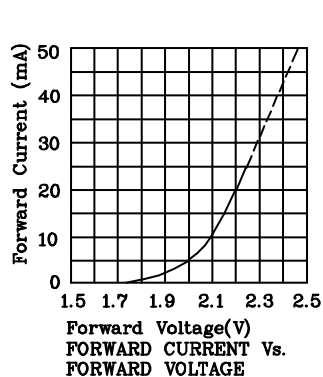
Absolute Maximum Ratings (TA=25°C)		UG (GaP)	UY (GaAsP/ GaP)	Unit
Reverse Voltage	VR	5	5	V
Forward Current	IF	25	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	140	140	mA
Power Dissipation	PT	105	105	mW
Operating Temperature	TA	-40 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +85		
Lead Solder Temperature [2mm below package base]	260°C For 3 Seconds			
Lead Solder Temperature [5mm below package base]	260°C For 5 Seconds			

Operating Characteristics (T _A =25°C)		UG (GaP)	UY (GaAsP/ GaP)	Unit
Forward Voltage (Typ.) (I _F =20mA)	V _F	2.2	2.1	V
Forward Voltage (Max.) (I _F =20mA)	V _F	2.5	2.5	V
Reverse Current (V _R =5V)	I _R	10	10	μA
Wavelength of Peak Emission (I _F =20mA)	λ _P	565	590	nm
Wavelength of Dominant Emission (I _F =20mA)	λ _D	568	588	nm
Spectral Line Full Width At Half-Maximum (I _F =20mA)	Δλ	30	35	nm
Capacitance (V _F =0V, f=1MHz)	C	15	20	pF

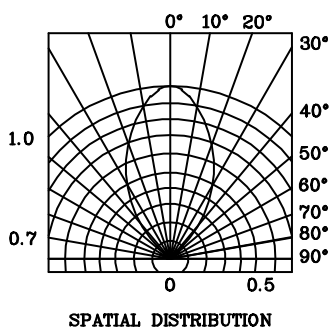
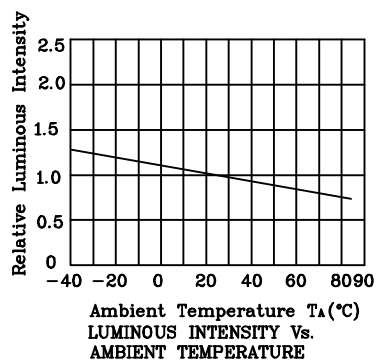
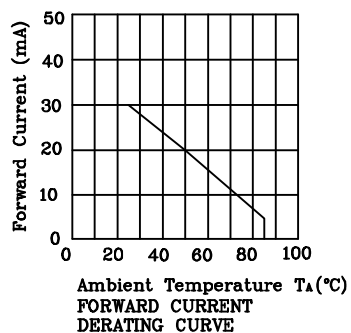
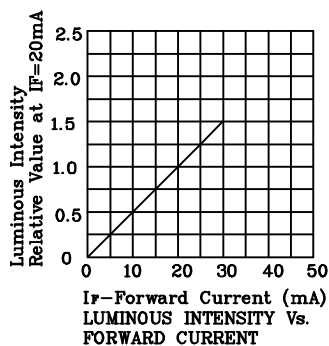
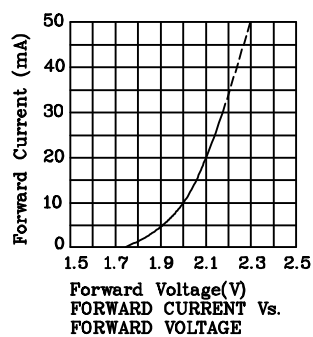
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd	Wavelength nm λ P	Viewing Angle 2θ 1/2
				min.	typ.	
LUGY34M	Green	GaP	White Diffused	7	34	565
	Yellow	GaAsP/GaP		7	14	590
Published Date : AUG 29, 2005		Drawing No : SDSA3145		V2	Checked : B.LLIU	P.1/4



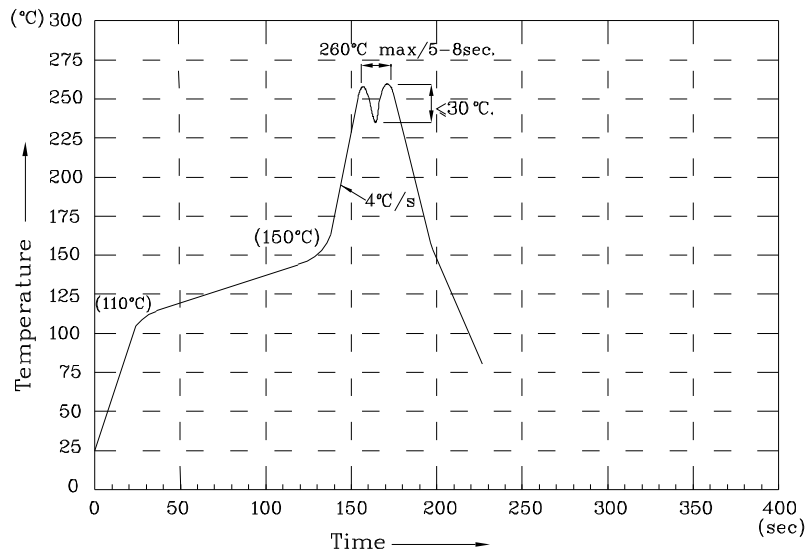
❖ UG



❖ UY



Wave Soldering Profile For Lead-free Through-hole LED.



NOTES:

- 1.Recommend the wave temperature 245°C~260°C.The maximum soldering temperature should be less than 260°C.
- 2.Do not apply stress on epoxy resins when temperature is over 85 degree°C.
- 3.The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
- 4.No more than once.

Remarks:

If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity/ luminous flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.