

Features

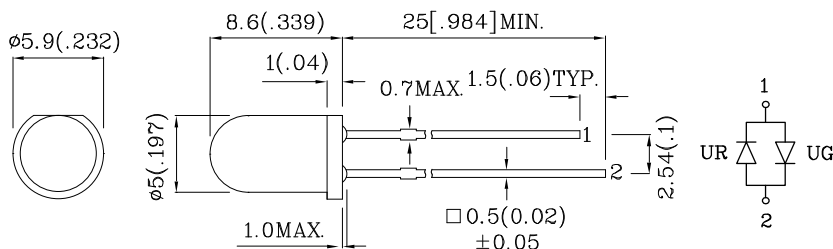
- LOW POWER CONSUMPTION.
- I.C. COMPATIBLE.
- LONG LIFE - SOLID STATE RELIABILITY.
- RoHS COMPLIANT.



Notes:

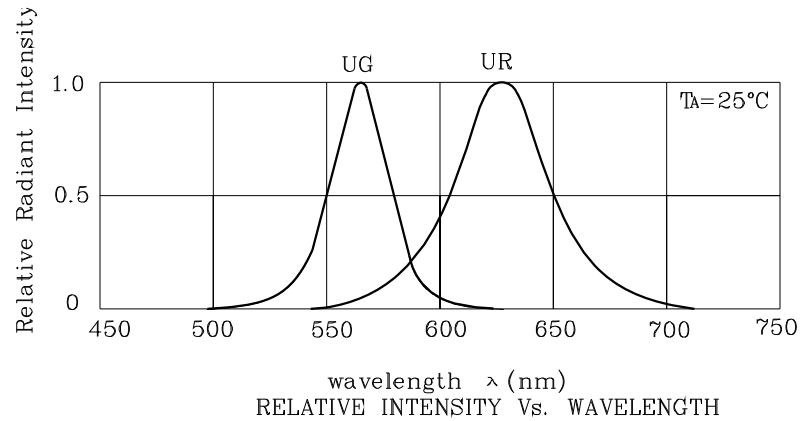
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. Specifications are subject to change without notice.

Absolute Maximum Ratings (TA=25°C)		UR (GaAsP/ GaP)	UG (GaP)	Unit
Forward Current	IF	30	25	mA
Forward Current (Peak) 1/10Duty Cycle 0.1ms Pulse Width	iFS	160	140	mA
Power Dissipation	PT	75	62.5	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			

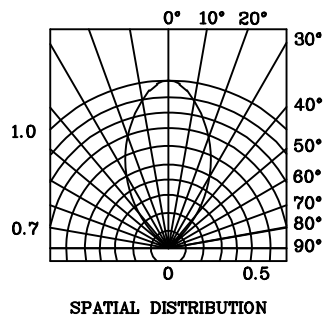
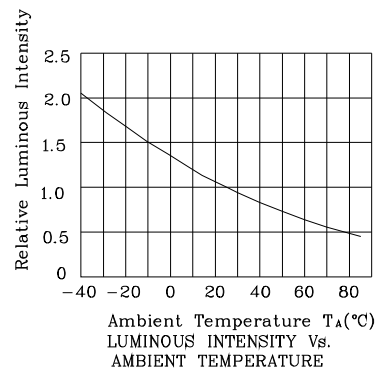
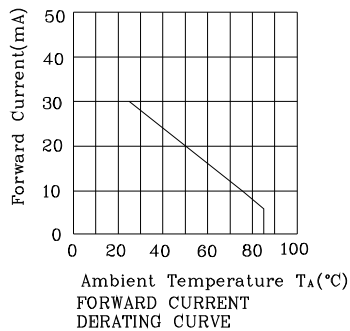
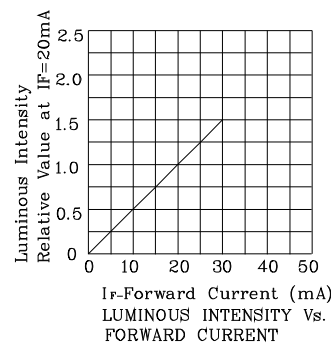
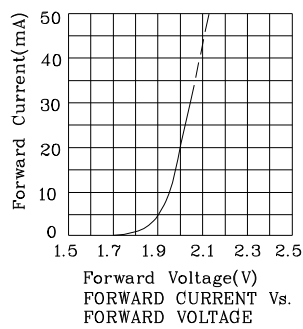


Operating Characteristics (T _A =25°C)		UR (GaAsP/ GaP)	UG (GaP)	Unit
Forward Voltage (Typ.) (I _F =20mA)	V _F	2.0	2.2	V
Forward Voltage (Max.) (I _F =20mA)	V _F	2.5	2.5	V
Wavelength Of Peak Emission (Typ.) (I _F =20mA)	λ P	627	565	nm
Wavelength Of Dominant Emission (Typ.) (I _F =20mA)	λ D	625	568	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =20mA)	Δλ	45	30	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	15	15	pF

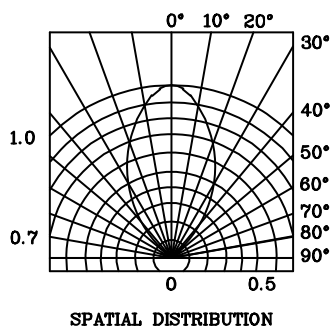
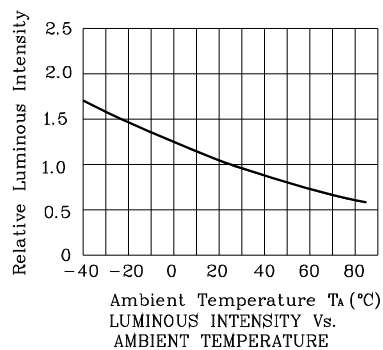
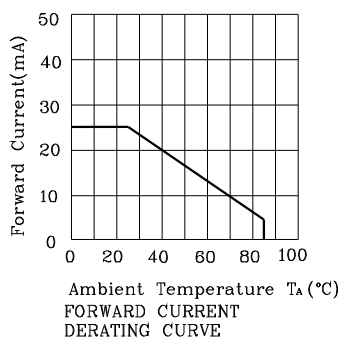
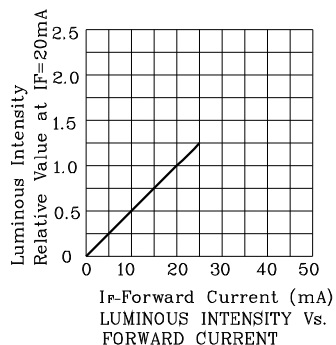
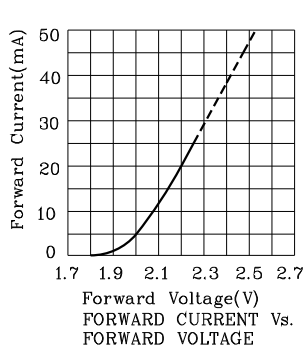
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd	Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.	
LUGR58M	Red	GaAsP/GaP	White Diffused	10	29	627
	Green	GaP		10	19	565
Published Date : MAR 22,2008		Drawing No :SDSA1473		V4	Checked : B.L.LIU	P.1/5

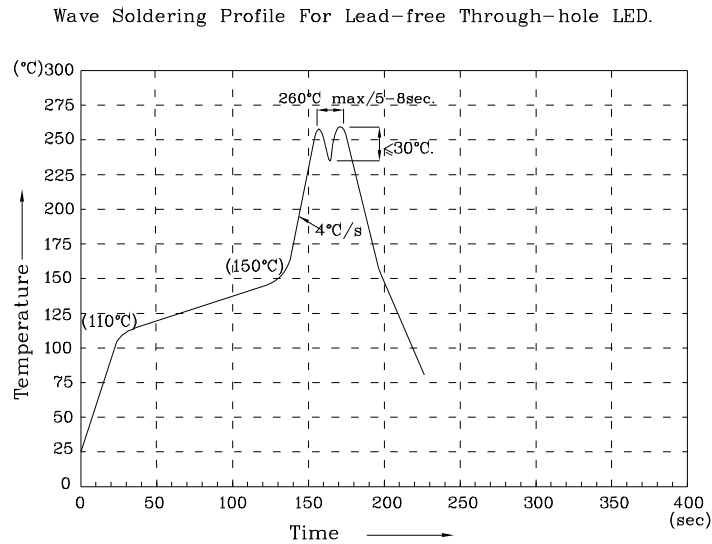


❖ UR



❖ UG





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:

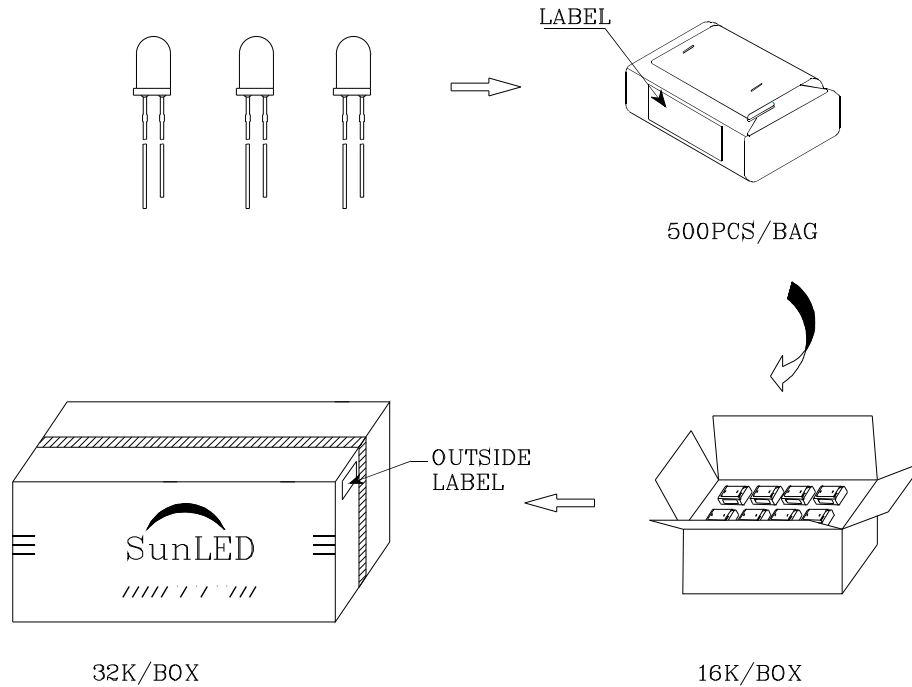
1. Wavelength: +/-1nm
2. Luminous Intensity / luminous flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.



PACKING & LABEL SPECIFICATIONS

LUGR58M





Q.C.
 Q C
 XX XX XXXX
 PASSED

P/NO : Lxxx58x	
QTY : 500 pcs	CODE: XXX
S/N : XX	
LOT NO:  XXXXXXXXXXXXXXXXXXXXXXXX	
RoHS Compliant	