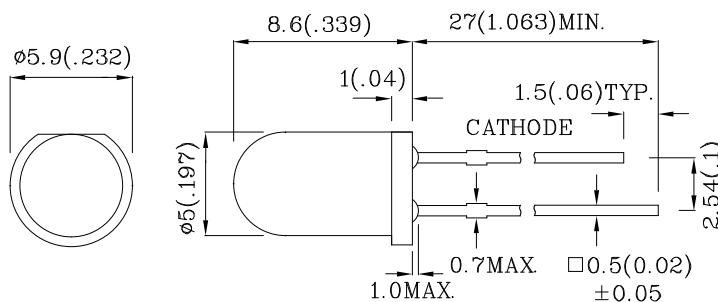


Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 3/4 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.
- 14V INTERNAL RESISTOR.
- RoHS COMPLIANT.



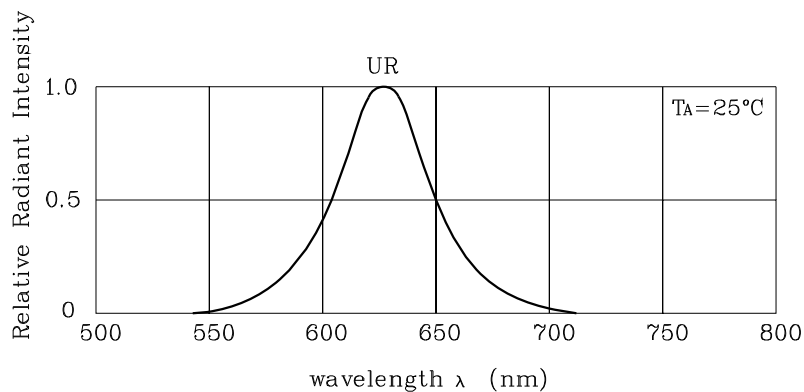
Notes:

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)	Unit
Reverse Voltage	VR	5	V
Forward Voltage	VF	16	V
Power Dissipation	PT	160	mW
Operating Temperature	TA	-40 ~ +70	°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		

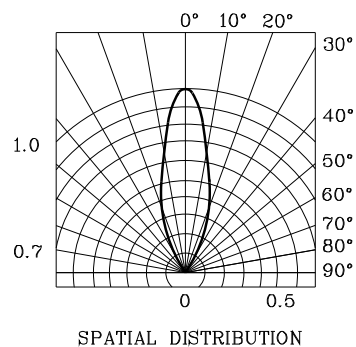
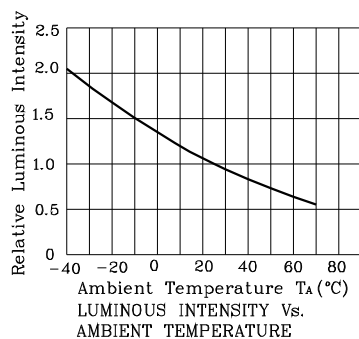
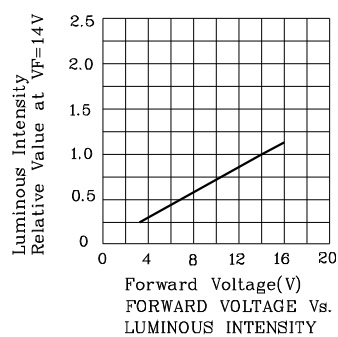
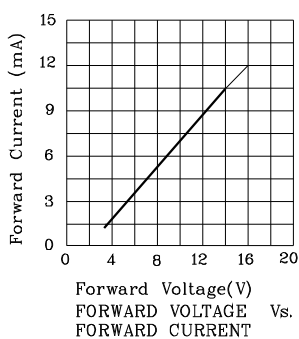
Operating Characteristics ($T_A=25^\circ\text{C}$)		UR (GaAsP/ GaP)	Unit
Forward Current (Typ.) ($V_F=14\text{V}$)	I_F	10.5	mA
Forward Current (Max.) ($V_F=14\text{V}$)	I_F	13.5	mA
Reverse Current (Max.) ($V_R=14\text{V}$)	I_R	10	μA
Wavelength of Peak Emission (Typ.) ($V_F=14\text{V}$)	λ_P	627	nm
Spectral Line Full Width At Half-Maximum (Typ.) ($V_F=14\text{V}$)	λ_D	625	nm
Spectral Line Half-Width ($V_F=14\text{V}$) (Typ.)	$\Delta\lambda$	45	nm

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (V=14V) mcd		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
LUR12D14V	Red	GaAsP/GaP	Red Diffused	12	29	627	30°

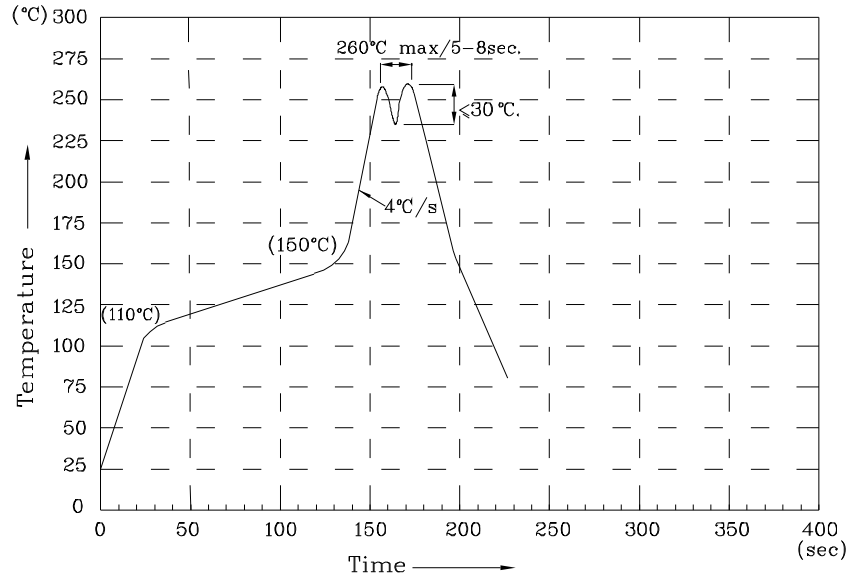


RELATIVE INTENSITY Vs. WAVELENGTH

❖ UR



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:

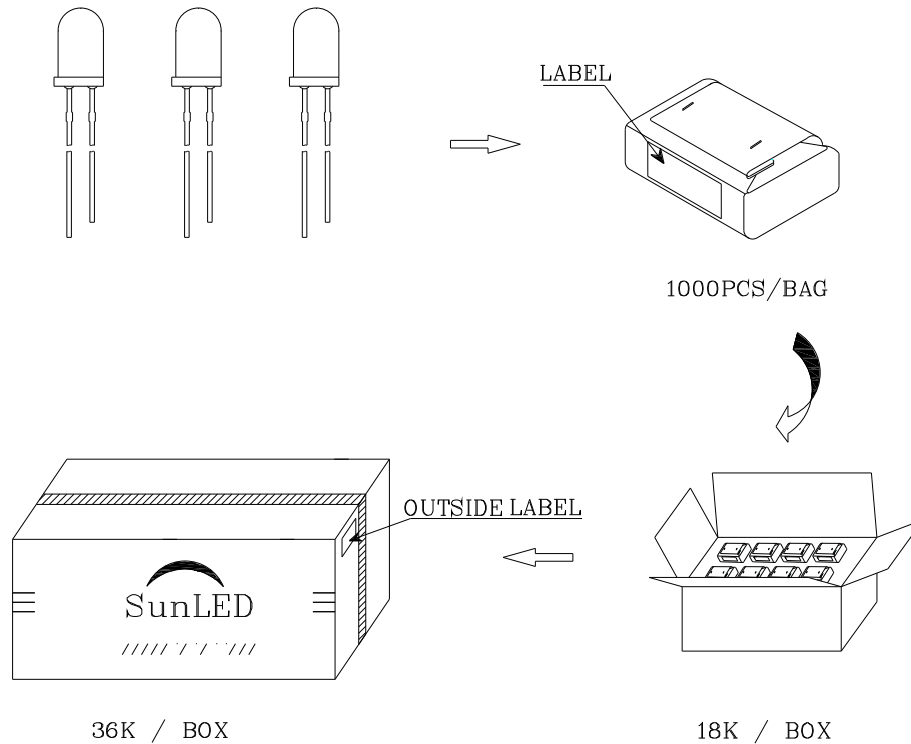
If special sorting is required (e.g. binning based on luminous intensity / luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity / Luminous Flux: +/-15%

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

LUR12D14V



		Q.C. QC XX XX XXXX PASSED
P/NO : Lxx12x		
QTY : 1000 pcs		CODE: XXX
S/N : XX		
LOT NO:		
 xxxxxxxxxxxxxxxxxxxxxx		
RoHS Compliant		