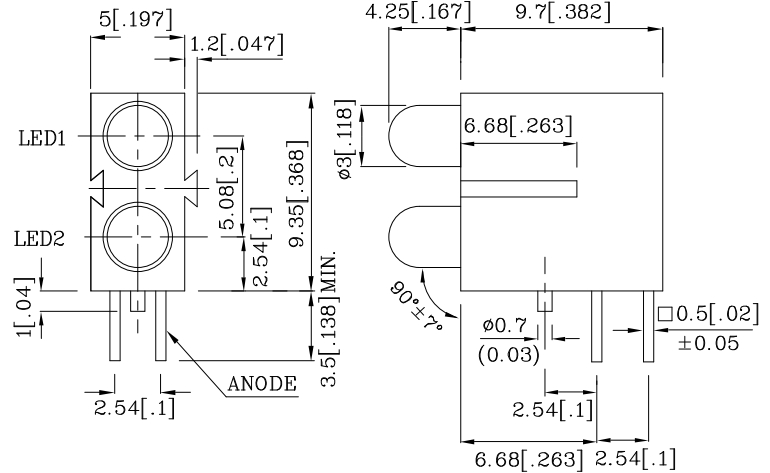


### Features

- PRE-TRIMMED LEADS FOR PC MOUNTING.
- I.C. COMPATIBLE.
- BLACK CASE ENHANCES CONTRAST RATIO.
- WIDE VIEWING ANGLE.
- HIGH RELIABILITY LIFE MEASURED IN YEARS.
- UL RATING : 94V-0.
- HOUSING MATERIAL: TYPE 66 NYLON.
- RoHS COMPLIANT.



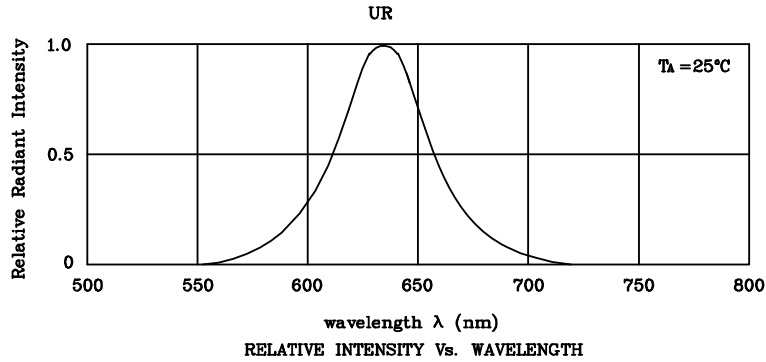
#### Notes:

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.

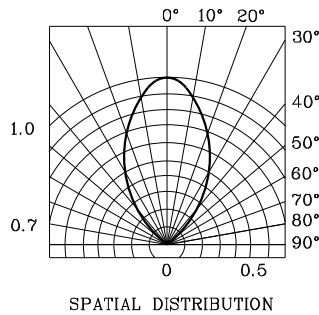
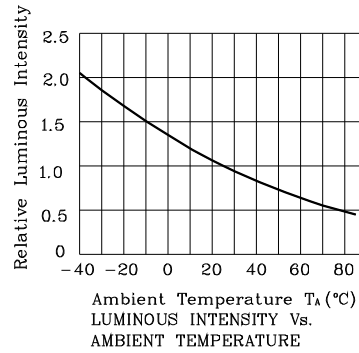
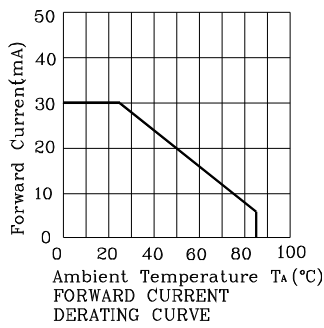
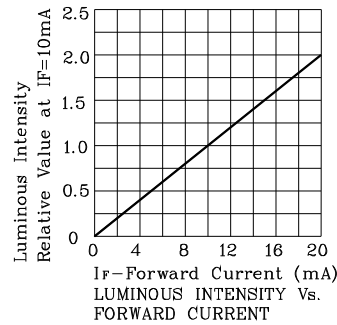
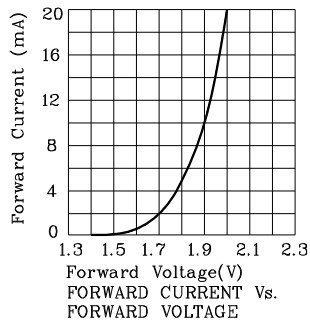
Absolute Maximum Ratings ( $T_A=25^\circ\text{C}$ )		UR (GaAsP/GaP)	Unit
Reverse Voltage	$V_R$	5	V
Forward Current	$I_F$	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	$i_{FS}$	160	mA
Power Dissipation	$P_T$	75	mW
Operating Temperature	$T_A$	-40 ~ +85	°C
Storage Temperature	$T_{stg}$	-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 Voltage (Typ.) ( $I_F=10\text{mA}$ )	$V_F$	1.9	V
Forward Voltage (Max.) ( $I_F=10\text{mA}$ )	$V_F$	2.5	V
Reverse Current (Max.) ( $V_R=5\text{V}$ )	$I_R$	10	$\mu\text{A}$
Wavelength of Peak Emission (Typ.) ( $I_F=10\text{mA}$ )	$\lambda_P$	627	nm
Wavelength of Dominant Emission (Typ.) ( $I_F=10\text{mA}$ )	$\lambda_D$	625	nm
Spectral Line Full Width At Half-Maximum (Typ.) ( $I_F=10\text{mA}$ )	$\Delta\lambda$	45	nm
Capacitance ( $V_F=0\text{V}$ , $f=1\text{MHz}$ )	C	15	pF

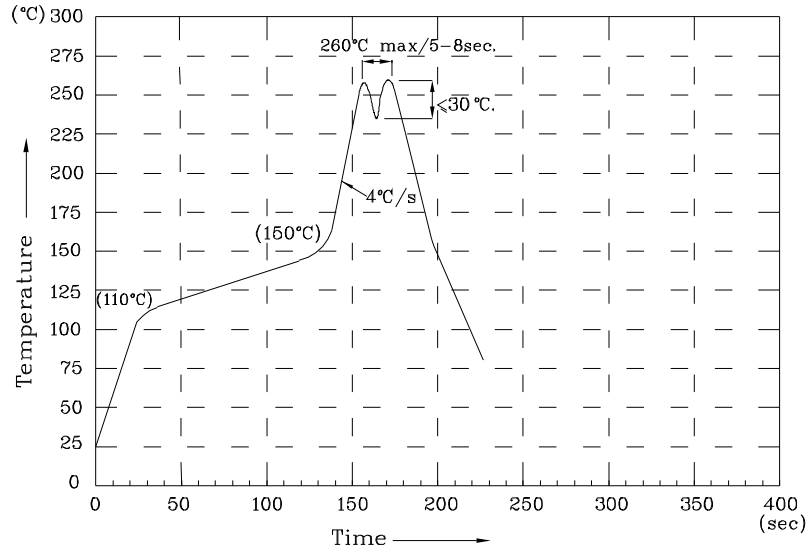
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ( $I_F=10\text{mA}$ ) mcd		Wavelength nm $\lambda_P$	Viewing Angle $2\theta$ 1/2
				min.	typ.		
XRO2LUR40DRV	Red	GaAsP/GaP	Red Diffused	8	19	627	60°
Published Date : JAN 16,2008      Drawing No : XDSA7886      V2      Checked : B.L.LIU      P.1/4							



❖ 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:

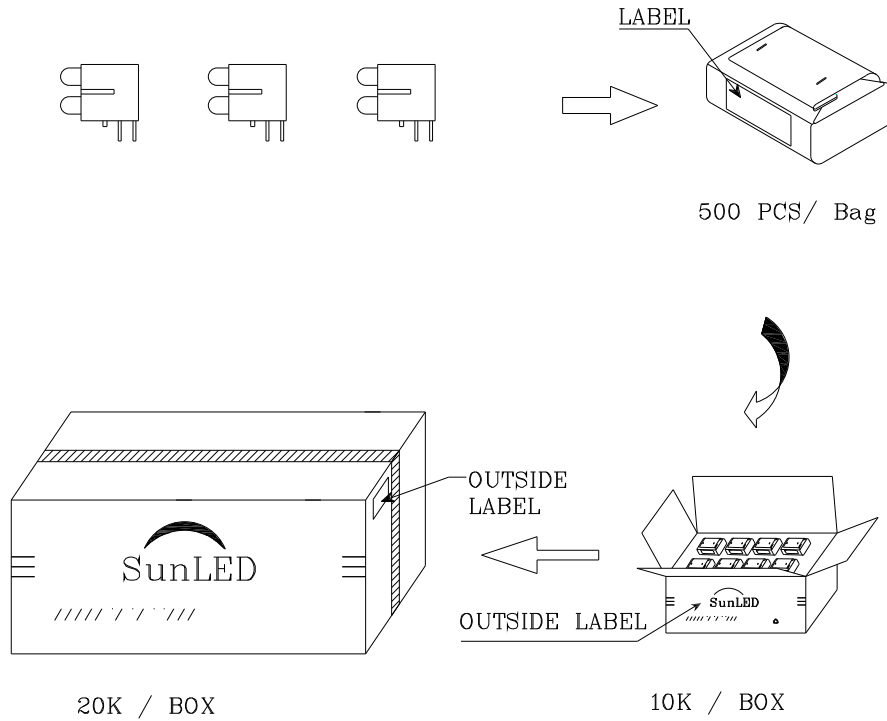

If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:



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**

**XRO2LUR40DRV**

	<table border="1" style="margin: auto;"> <tr><td style="text-align: center;">Q.C.</td></tr> <tr><td style="text-align: center;">Q C</td></tr> <tr><td style="text-align: center;">XX XX. XX</td></tr> <tr><td style="text-align: center;">PASSED</td></tr> </table>	Q.C.	Q C	XX XX. XX	PASSED
Q.C.					
Q C					
XX XX. XX					
PASSED					
P/NO : XRO2Lxx40x	<table border="1" style="margin: auto;"> <tr><td style="text-align: center;">FQC</td></tr> </table>	FQC			
FQC					
QTY : 500 pcs	CODE: XXX				
S/N : XX					
LOT NO:					
 XXXXXXXXXXXXXXXXXXXX	RoHS Compliant				