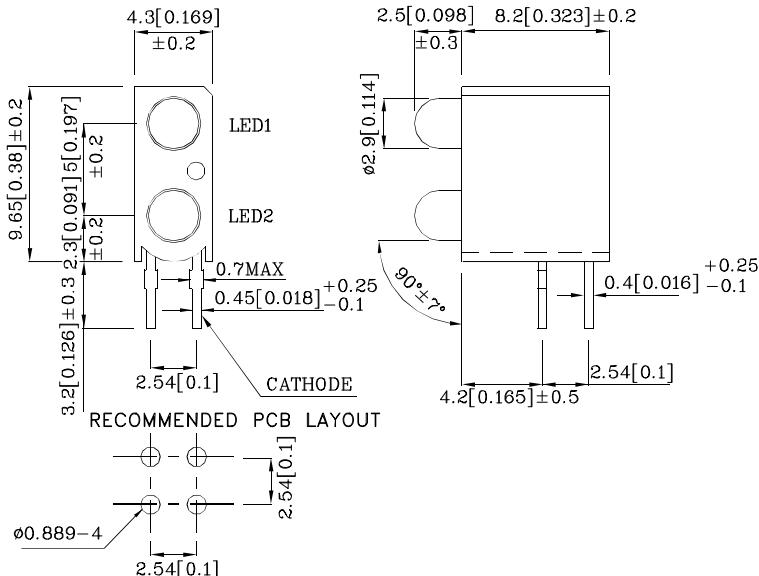


## Features

- Housing material: Type 66 Nylon
- Black casing provides superior contrast
- Housing UL rating: 94V-0
- Reliable & robust
- Custom color combinations available
- RoHS Compliant



## Package Schematics

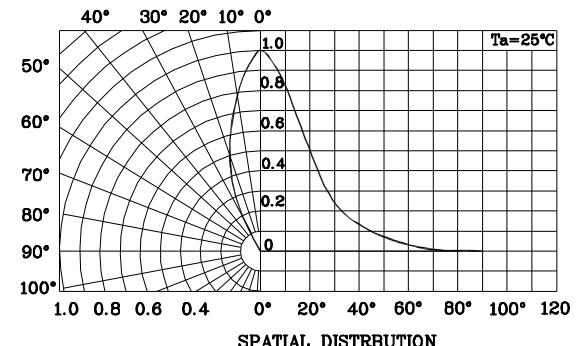
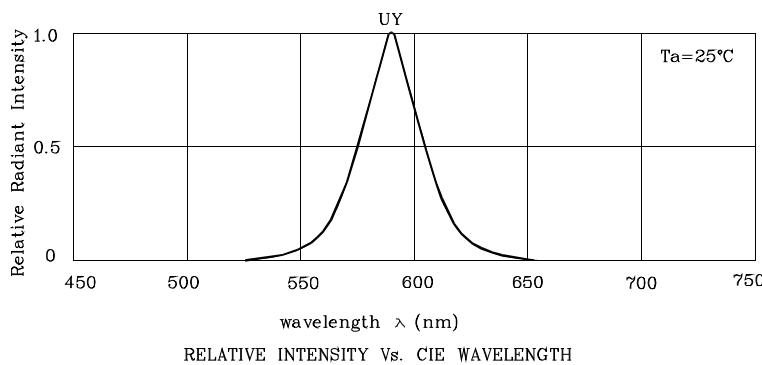


Absolute Maximum Ratings ( $T_A=25^\circ\text{C}$ )		UY (GaAsP/GaP)	Unit	
Reverse Voltage	$V_R$	5	V	
Forward Current	$I_F$	30	mA	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	$i_{fs}$	140	mA	
Power Dissipation	$P_D$	75	mW	
Operating Temperature	$T_A$	-40 ~ +85	$^\circ\text{C}$	
Storage Temperature	$T_{stg}$	-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			

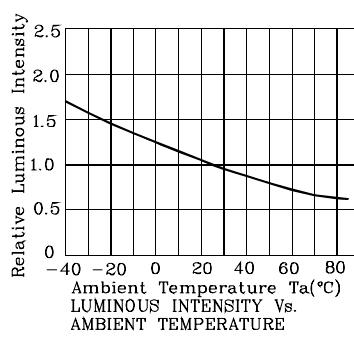
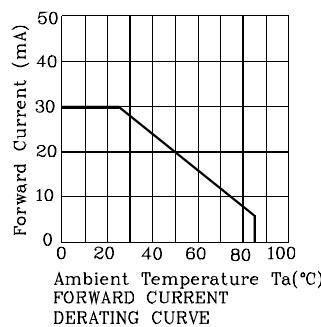
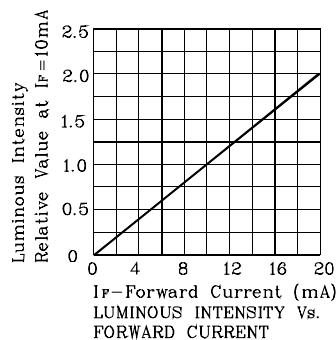
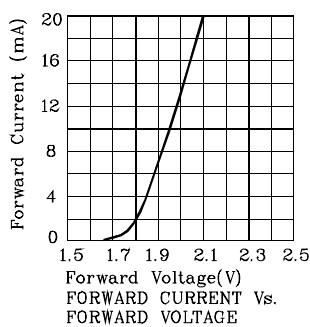
Operating Characteristics ( $T_A=25^\circ\text{C}$ )		UY (GaAsP/GaP)	Unit
Forward Voltage (Typ.) ( $I_F=10\text{mA}$ )	$V_F$	1.95	V
Forward Voltage (Max.) ( $I_F=10\text{mA}$ )	$V_F$	2.5	V
Reverse Current (Max.) ( $V_R=5\text{V}$ )	$I_R$	10	uA
Wavelength of Peak Emission CIE127-2007* (Typ.) ( $I_F=10\text{mA}$ )	$\lambda_P$	590*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) ( $I_F=10\text{mA}$ )	$\lambda_D$	588*	nm
Spectral Line Full Width At Half-Maximum (Typ.) ( $I_F=10\text{mA}$ )	$\Delta\lambda$	35	nm
Capacitance (Typ.) ( $V_F=0\text{V}$ , $f=1\text{MHz}$ )	C	20	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity CIE127-2007* ( $I_F=10\text{mA}$ ) mcd	Wavelength CIE127-2007* nm $\lambda_P$	Viewing Angle 20 1/2
XNC2LUY147D	Yellow	GaAsP/GaP	Yellow Diffused	6*	14*	590* 40°

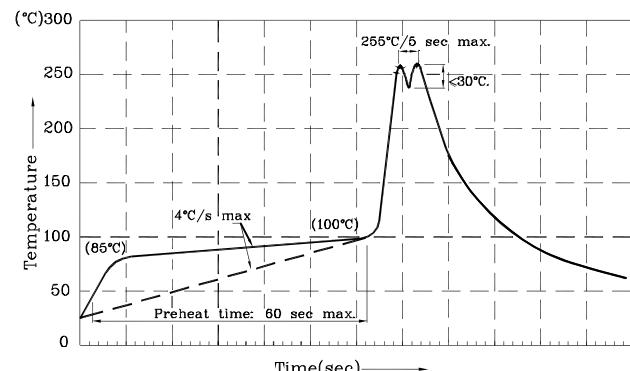
\*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.



### ❖ UY



### Wave Soldering Profile For Thru-Hole Products (Pb-Free Components)



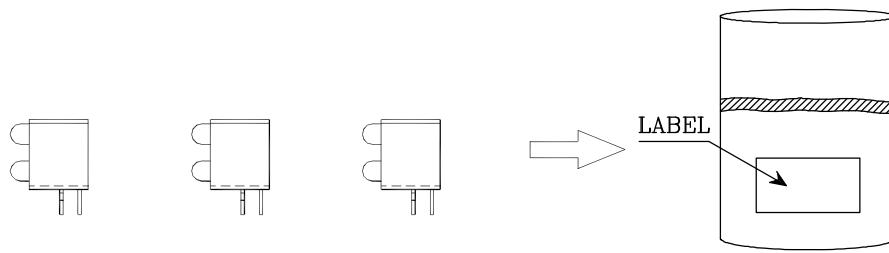
### Remarks:

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:

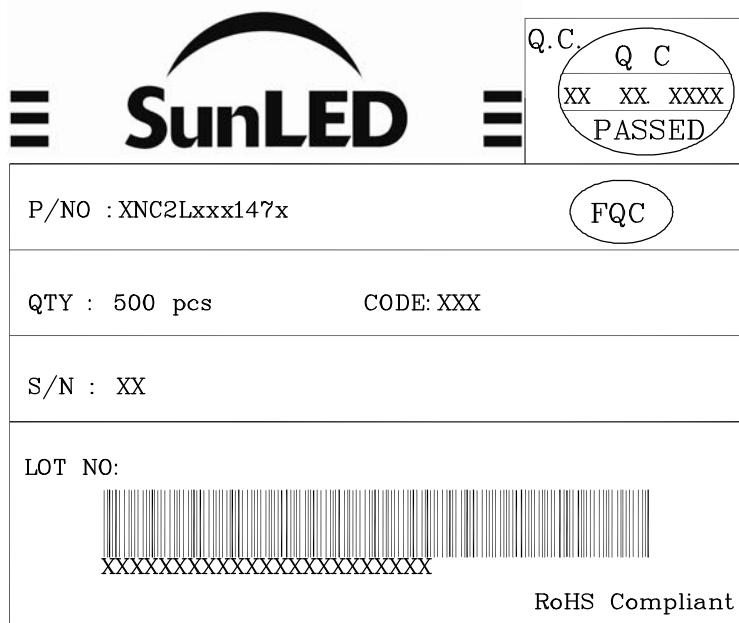
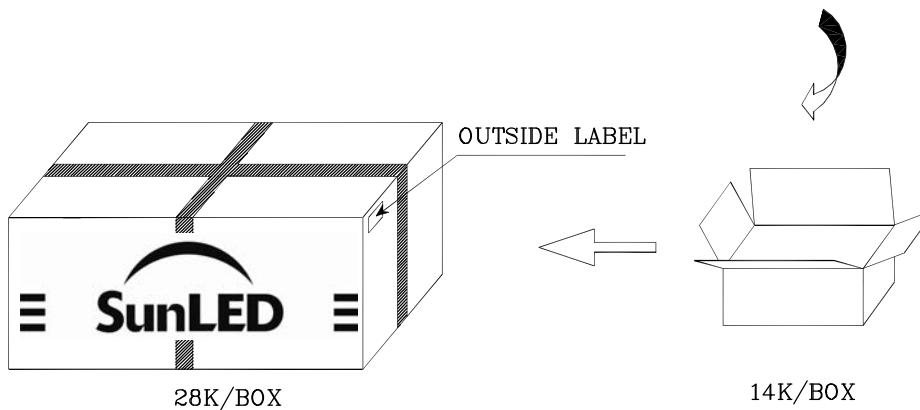
1. Wavelength: +/-1nm
2. Luminous Intensity / Luminous Flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

## PACKING & LABEL SPECIFICATIONS



500 PCS/Bag



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