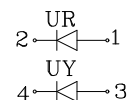
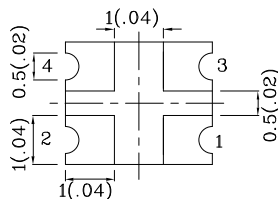


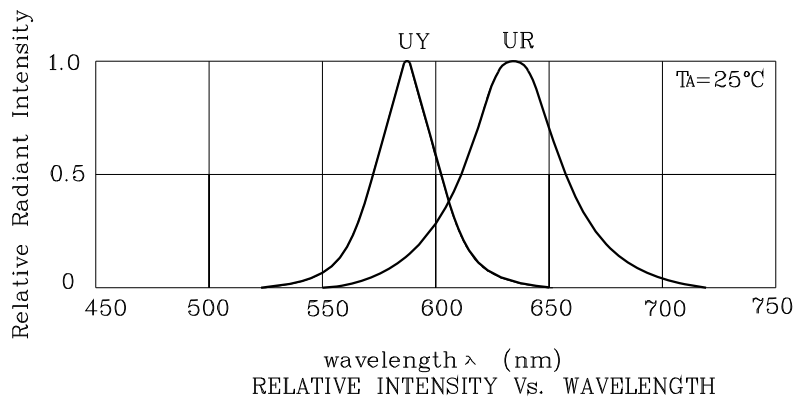
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.2(0.0079)$ unless otherwise noted.
3. Specifications are subject to change without notice.



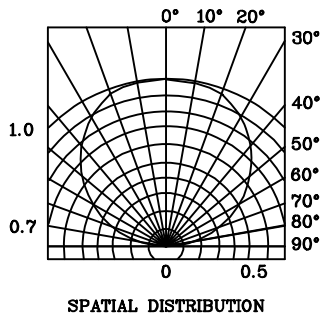
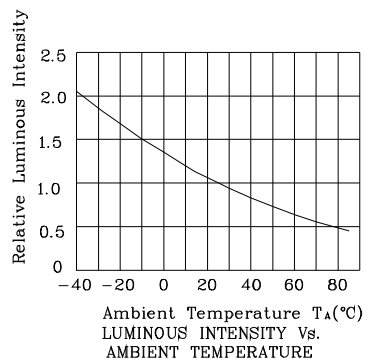
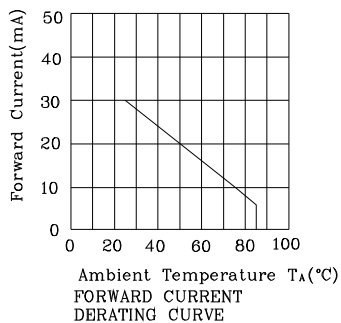
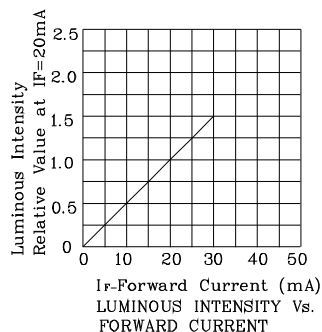
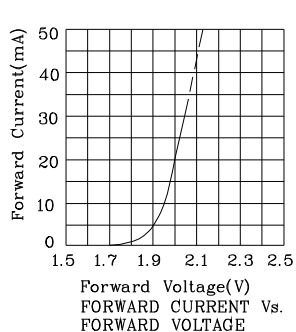
Absolute Maximum Ratings (TA=25°C)		UR (GaAsP /GaP)	UY (GaAsP/ GaP)	Unit
Reverse Voltage	VR	5	5	V
Forward Current	IF	30	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	160	140	mA
Power Dissipation	PT	75	75	mW
Operating Temperature	TA	-40 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +85		

Operating Characteristics (T _A =25°C)		UR (GaAsP/ GaP)	UY (GaAsP/ GaP)	Unit
Forward Voltage (Typ.) (I _F =20mA)	V _F	2.0	2.1	V
Forward Voltage (Max.) (I _F =20mA)	V _F	2.5	2.5	V
Reverse Current (Max.) (V _R =5V)	I _R	10	10	uA
Wavelength of Peak Emission (Typ.) (I _F =20mA)	λ P	627	590	nm
Wavelength of Dominant Emission (Typ.) (I _F =20mA)	λ D	625	588	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =20mA)	Δλ	45	35	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	15	20	pF

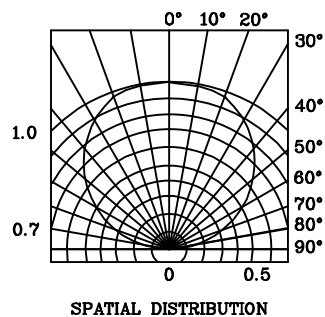
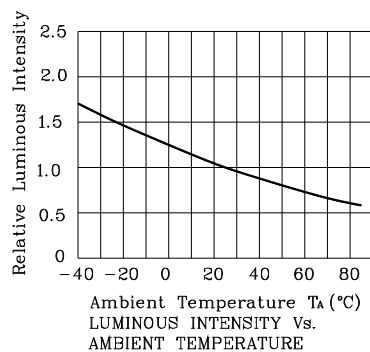
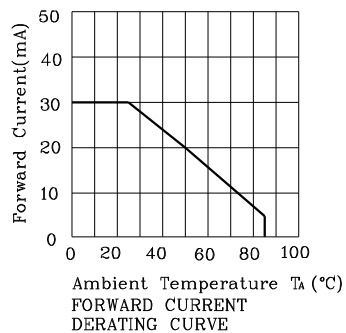
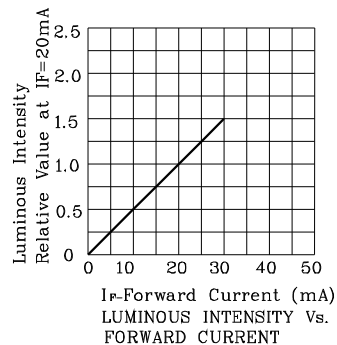
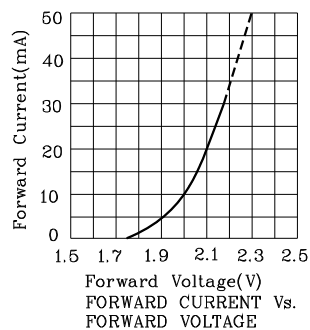
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd	Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.	
ZURUY57W	Red	GaAsP/GaP	Water Clear	4	11	627
	Yellow	GaAsP/GaP		2.6	7	590
Published Date : FEB 25 ,2008		Drawing No : SDSA3801		V5	Checked : B.L.LIU	P.1/4



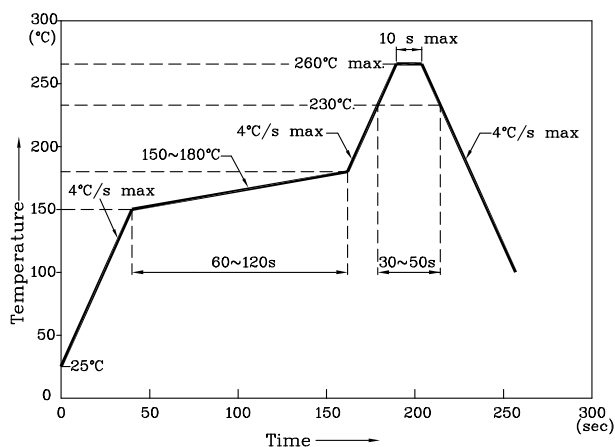
❖ UR



❖ UY



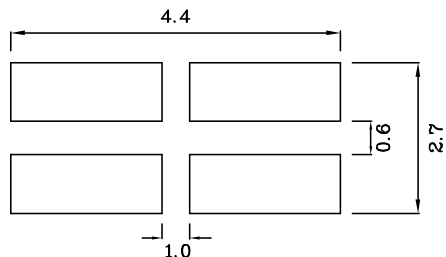
Reflow Soldering Profile For Lead-free SMT Process.



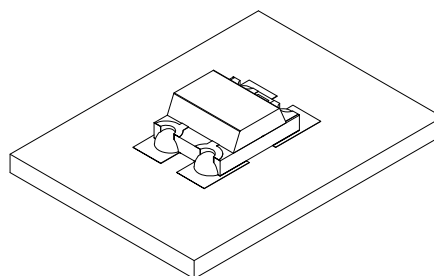
NOTES:

1. Maximum soldering temperature should not exceed 260°C.
2. Recommended reflow temperature: 145°C-260°C.
3. Do not put stress to the epoxy resin during high temperatures conditions.

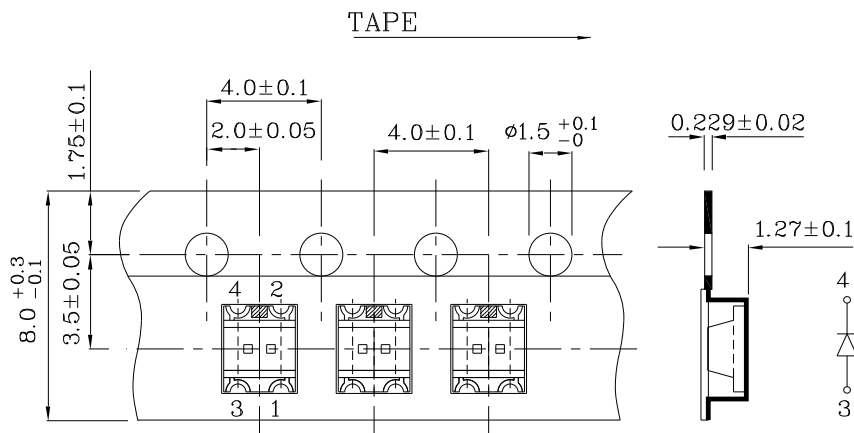
❖ **Recommended Soldering Pattern**
(Units : mm; Tolerance: ± 0.1)



❖ **The device has a single mounting surface. The device must be mounted according to the specifications.**



❖ **Tape Specification (Units : mm)**



Remarks:

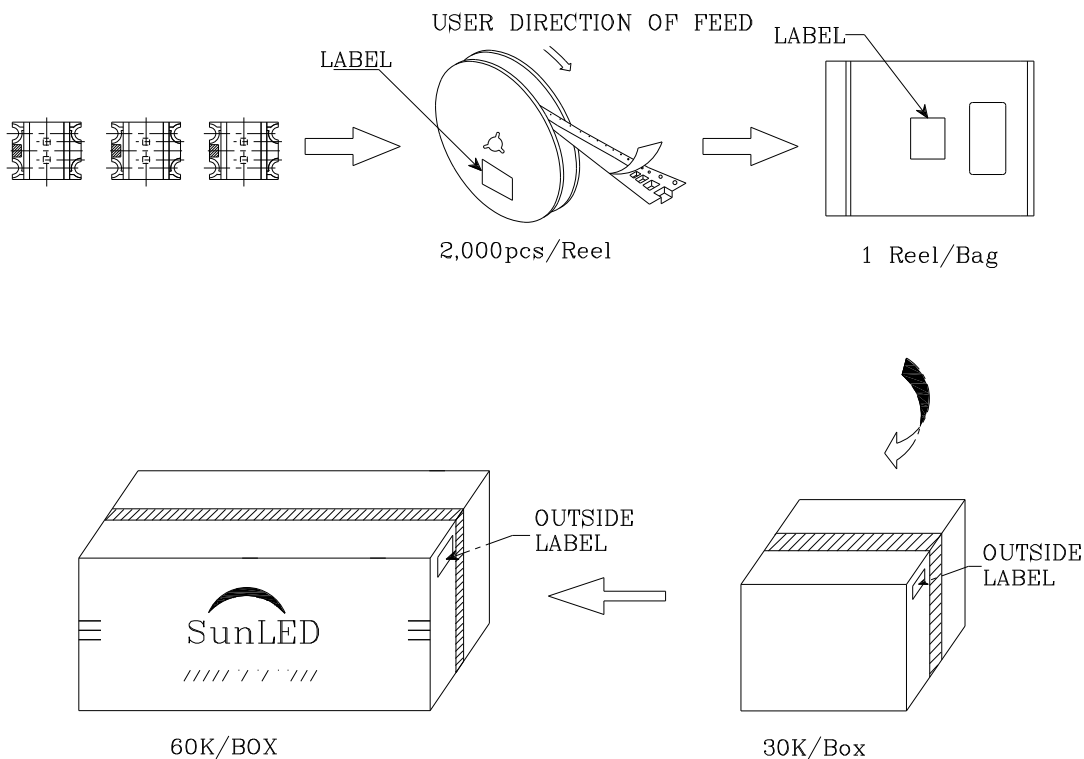
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity/ luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

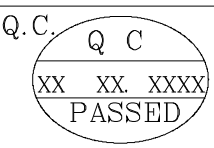
1. Wavelength: $\pm 1\text{nm}$
2. Luminous intensity/ luminous flux: $\pm 15\%$
3. Forward Voltage: $\pm 0.1\text{V}$

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

ZURUY57W




	
P/NO : Zxxx57x	
QTY : 2,000 pcs	CODE: XXX
S/N : XX	
LOT NO :  XXXXXXXXXXXXXXXXXXXXXXXX	
RoHS Compliant	