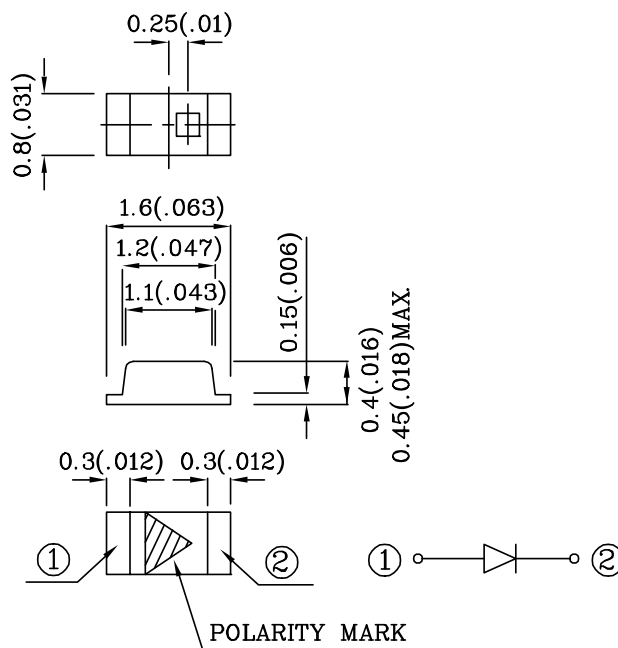


- 1.6mmx0.8mm SMT LED, 0.45mm MAX. THICKNESS.
- LOW POWER CONSUMPTION.
- WIDE VIEWING ANGLE.
- IDEAL FOR BACKLIGHT AND INDICATOR.
- VARIOUS COLORS AND LENS TYPES AVAILABLE.
- PACKAGE : 2000PCS / REEL.
- MOISTURE SENSITIVITY LEVEL : LEVEL 3.
- RoHS COMPLIANT.



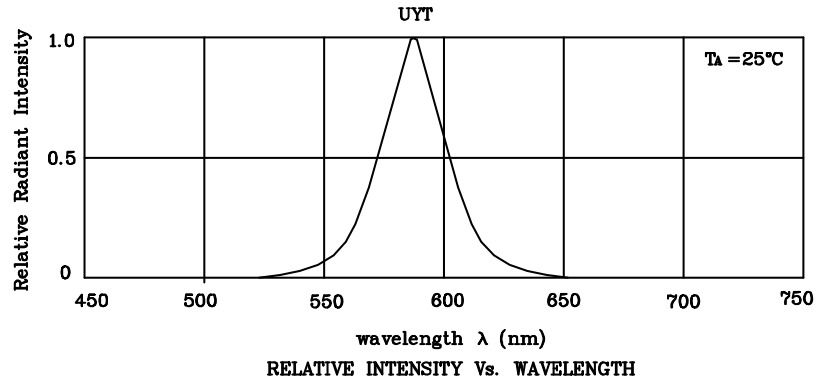
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.1(0.004")$ unless otherwise noted.
3. Specifications are subject to change without notice.



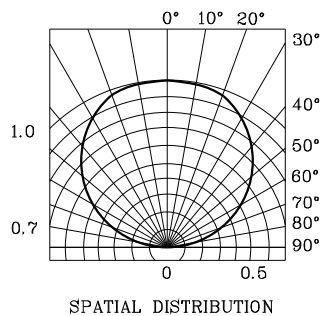
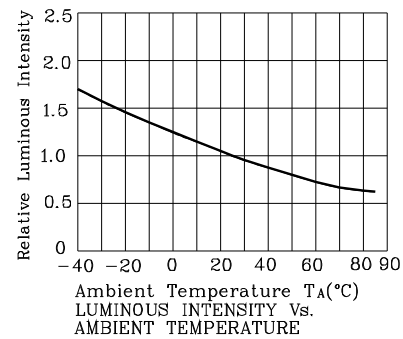
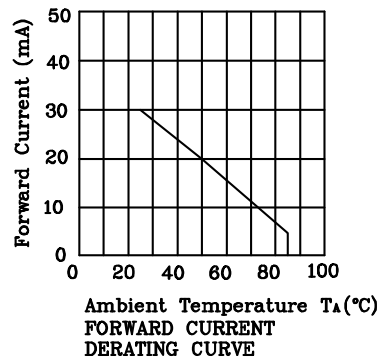
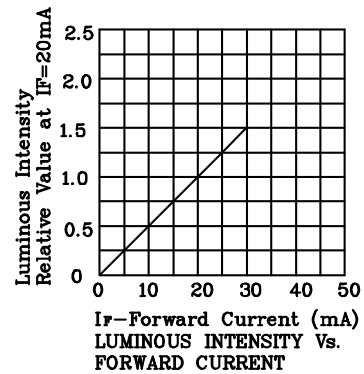
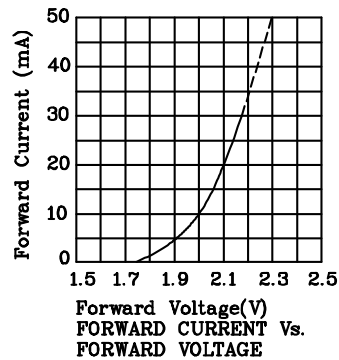
Absolute Maximum Ratings (TA=25°C)		UYT (GaAsP/GaP)	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	30	mA
Forward Current (peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	140	mA
Power Dissipation	PT	75	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	

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

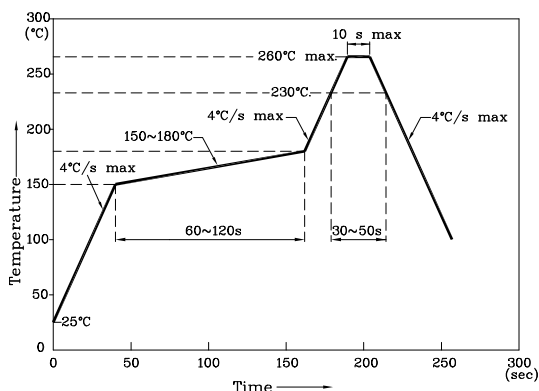
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd	Wavelength nm λ P	Viewing Angle 2 θ 1/2	
				min.	typ.		
ZUYT53W-3	Yellow	GaAsP/GaP	Water Clear	2.6	7	590	120°
Published Date : FEB 28,2008		Drawing No : SDSA4437		V3	Checked : B.L.LIU		P.1/4



❖ UYT



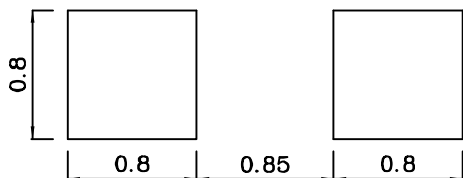
Reflow Soldering Profile For Lead-free SMT Process.



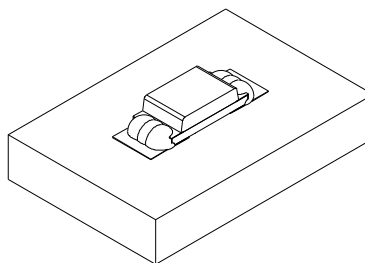
NOTES:

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.

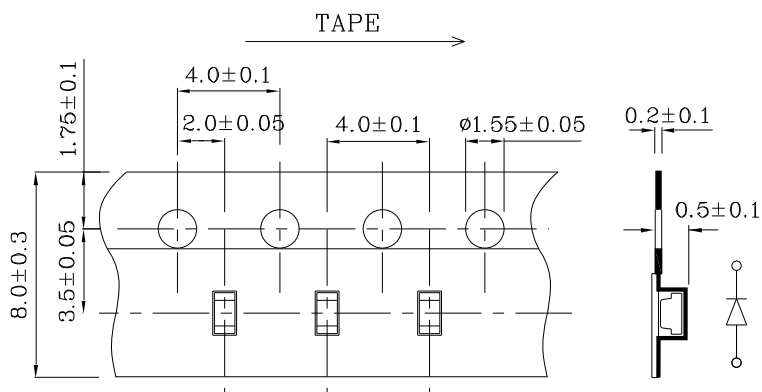
❖ **Recommended Soldering Pattern**
(Units : mm; Tolerance: ±0.1)



❖ **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:

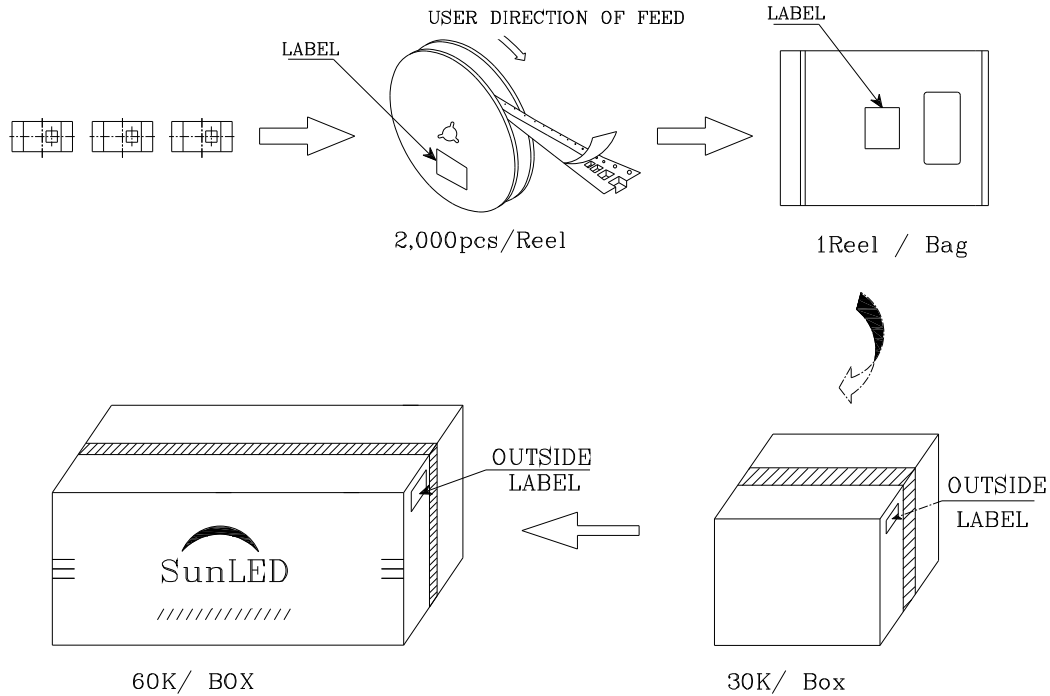
1. Wavelength: +/-1nm
2. Luminous Intensity / Luminous Flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.



PACKING & LABEL SPECIFICATIONS

ZUYT53W-3



Q.C. Q.C.

XX XX XXXX

PASSED

P/NO : Zxxx53x-3	
QTY : 2,000 pcs	CODE: XXX
S/N : XX	
LOT NO:	
XXXXXXXXXXXXXXXXXXXX	
RoHS Compliant	