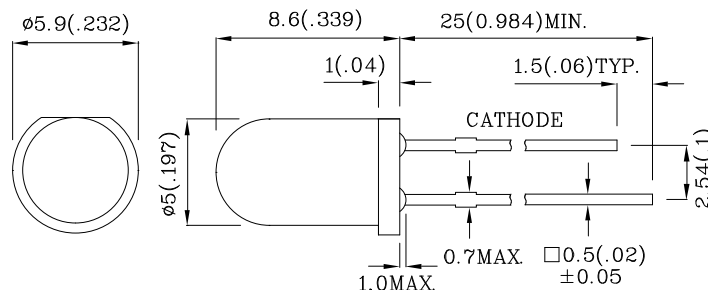


Features

- T-1 3/4 PACKAGE .
- WITH BUILT-IN BLINKING IC.
- OPERATION VOLTAGE FROM 3.5V TO 14V.
- BLINKING FREQUENCY FROM 3.0Hz TO 1.5Hz.
- RoHS COMPLIANT.



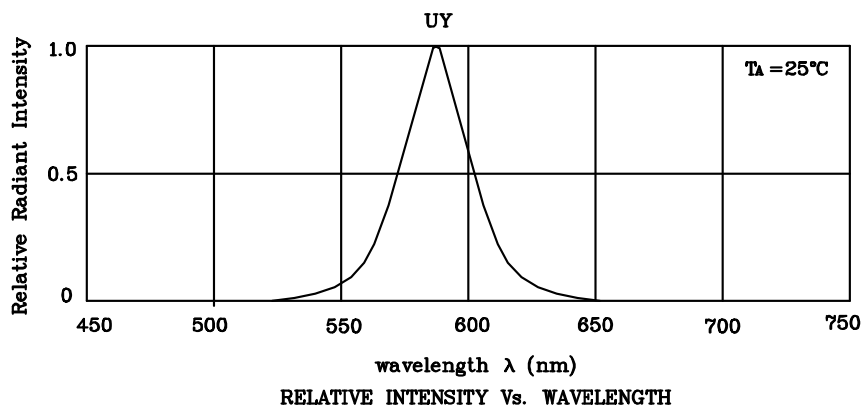
Notes:

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.

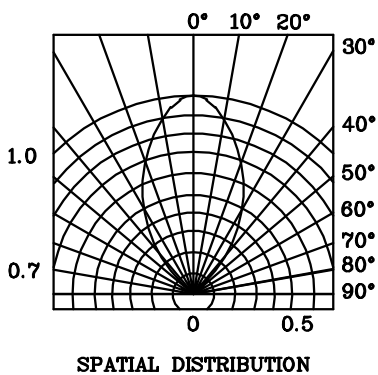
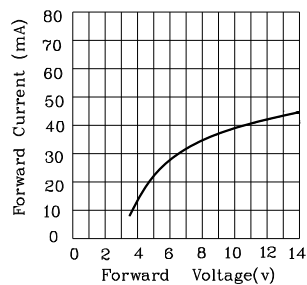
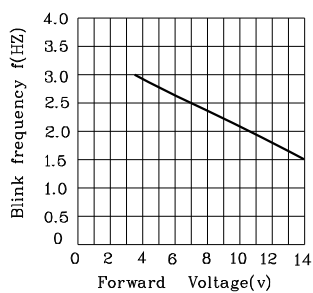
Absolute maximum ratings (TA=25°C)		UY (GaAsP/ GaP)	Unit
Reverse Voltage	VR	0.5	V
Forward Voltage	VF	14	V
Power Dissipation	PT	310	mW
Operating Temperature	TA	-40 ~ +70	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3 Seconds		
Lead Solder Temperature [5mm Below Package Base]	260°C For 5 Seconds		

Operating Characteristics (TA=25°C)		UY (GaAsP/ GaP)	Unit
Forward Current (Min.) (VF=3.5V)	IF	8	mA
Forward Current (Typ.) (VR=5V)	IF	22	mA
Supply Current (Typ.) (VF=3.5V)	ISON	8	mA
Supply Current (Typ.) (VF=14V)	ISON	44	mA
Blink Frequency (Min.~Max.) (VF=3.5V~14V)	f	1.5~3	Hz
Wavelength of Peak Emission (Typ.)	λ P	590	nm
Wavelength of Dominant Emission (Typ.)	λ D	588	nm
Spectral Line Full Width At Half-Maximum (Typ.)	$\Delta\lambda$	35	nm

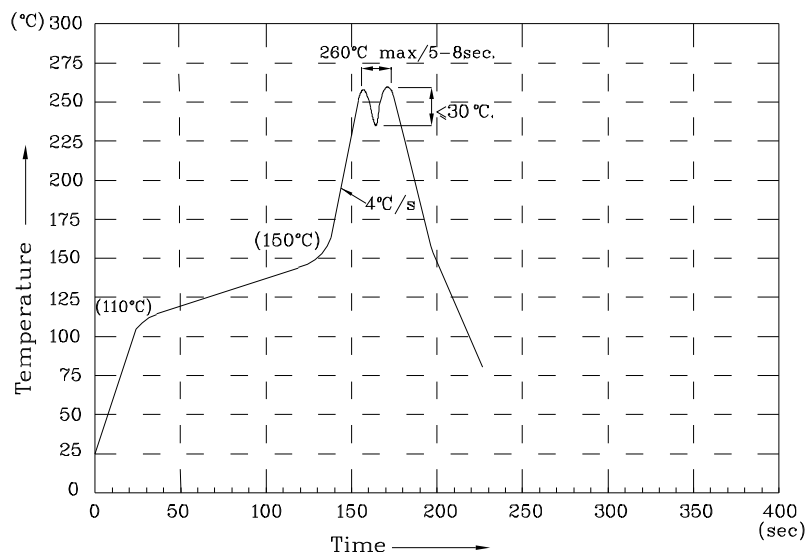
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (V= 9V) mcd	Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.	
BUY53D	Yellow	GaAsP/GaP	Yellow Diffused	5	19	590
Published Date : MAR 25,2008		Drawing No : SDSA3469		V4	Checked : B.L.LIU	
P.1/4						



❖ **UY**



Wave Soldering Profile For Lead-free Through-hole LED.

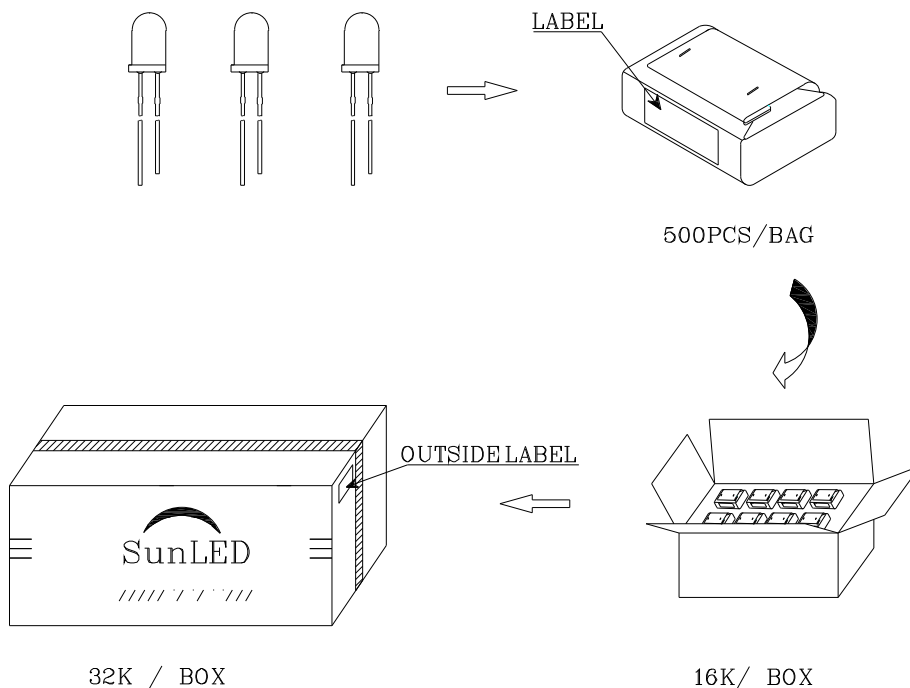


NOTES:

- 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.

PACKING & LABEL SPECIFICATIONS

BUY53D



		Q.C. Q C XX XX XXXX PASSED
P/NO : Bxx53x		
QTY :	500 pcs	CODE: XXX
S/N :	XX	
LOT NO:		
 xxxxxxxxxxxxxxxxxxxx		
RoHS Compliant		