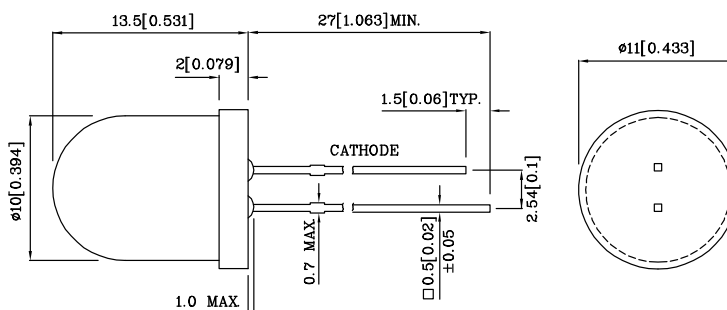


- 10mm DIAMETER BIG LAMP WITH BUILT-IN BLINKING IC.
- OPERATION VOLTAGE FROM 3.5V TO 14V.
- BLINKING FREQUENCY FROM 3.0Hz TO 1.5Hz.
- RoHS COMPLIANT.

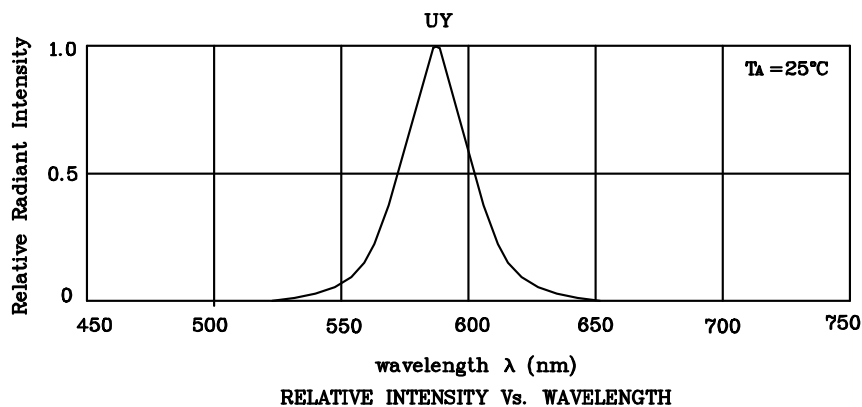


1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.

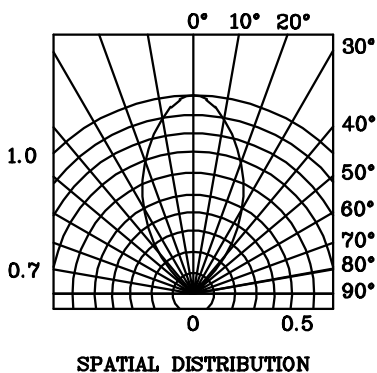
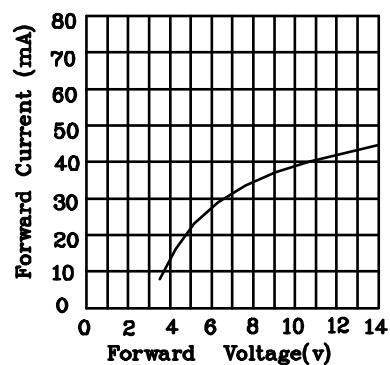
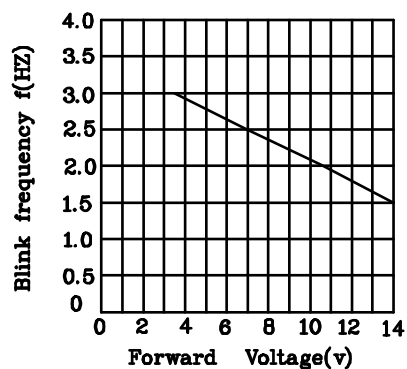
Absolute Maximum Ratings (T _A =25°C)		UY (GaAsP/GaP)	Unit
Reverse Voltage	V _R	0.5	V
Forward Voltage	V _F	14	V
Power Dissipation	P _T	310	mW
Operating Temperature	T _A	-40 ~ +70	°C
Storage Temperature	T _{stg}	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3 Seconds		
Lead Solder Temperature [5mm Below Package Base]	260°C For 5 Seconds		

Operating Characteristics (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 (VF=3.5V)	ISON	8	mA
Supply Current (VF=14V)	ISON	44	mA
Blink Frequency (VF=3.5V)	f	3	Hz
Blink Frequency (VF=14V)	f	1.5	Hz
Wavelength of Peak Emission	λ P	590	nm
Wavelength of Dominant Emission	λ D	588	nm
Spectral Line Full Width At Half-Maximum	$\Delta\lambda$	35	nm

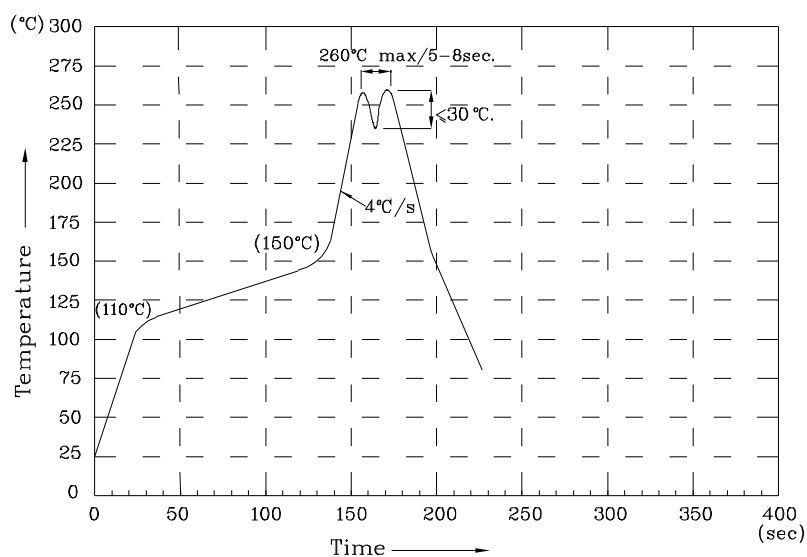
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (V= 9V) mcd	Wavelength nm λ P	Viewing Angle 2 θ 1/2	
				min.	typ.		
BUY01D	Yellow	GaAsP/GaP	Yellow Diffused	10	39	590	60°
Published Date : SEP 08,2005		Drawing No : SDSA3484		V2	Checked : B.L.LIU		P.1/3



❖ 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.