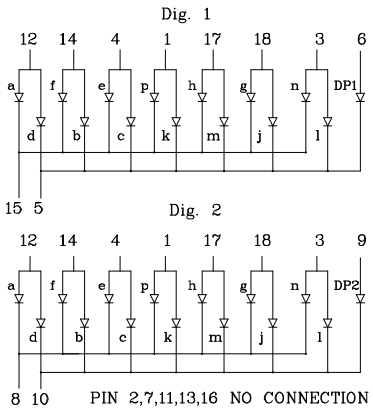
SunLED
www.SunLED.com

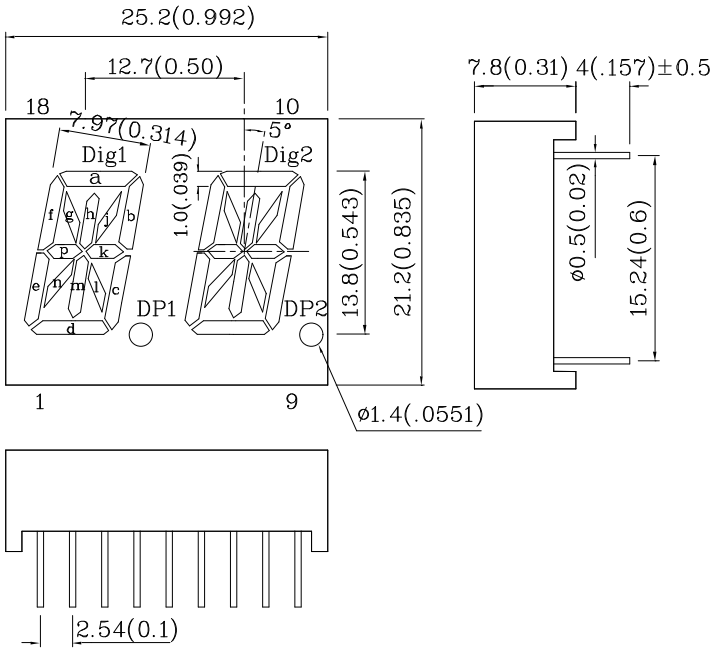
Part Number: **AUY14C2-A**

13.8mm (0.54") 14 SEGMENT DUAL DIGIT ALPHANUMERIC DISPLAY

Features

- 0.54 INCH CHARACTER HEIGHT.
- LOW CURRENT OPERATION.
- HIGH CONTRAST AND LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- MECHANICALLY RUGGED.
- STANDARD: GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.





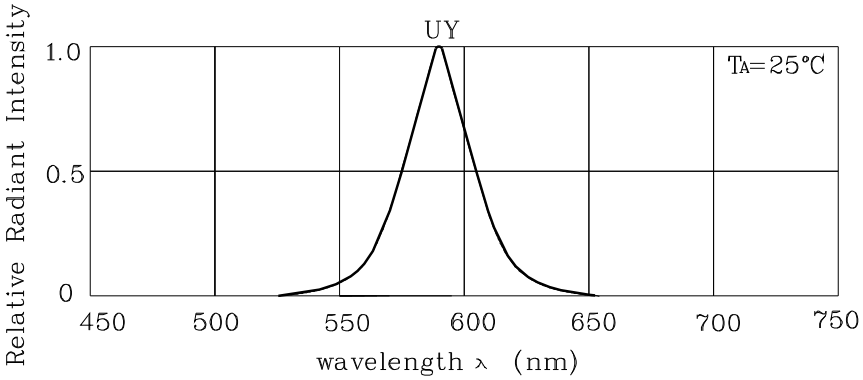
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25(0.01") unless otherwise noted.
3. Specifications are subject to change without notice.

Absolute Maximum Ratings (T_A=25°C)		**UY (GaAsP/ GaP)**	**Unit**
Reverse Voltage Per Segment or (DP)	V_R	5	V
Forward Current Per Segment or (DP)	I_F	30	mA
Forward Current (Peak) Per Segment or (DP) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	140	mA
Power Dissipation Per Segment or (DP)	P_T	75	mW
Operating Temperature	T_A	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3~5 Seconds		

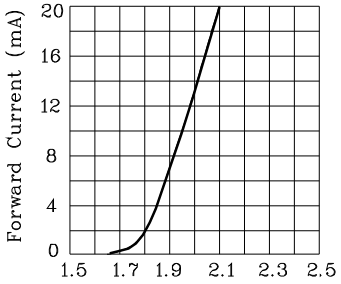
Operating Characteristics (T_A=25°C)		**UY (GaAsP/ GaP)**	**Unit**
Forward Voltage (Typ.) Per Segment or (DP) (I_F=10mA)	V_F	1.95	V
Forward Voltage (Max.) Per Segment or (DP) (I_F=10mA)	V_F	2.5	V
Reverse Current (Max.) Per Segment or (DP) (V_R=5V)	I_R	10	uA
Wavelength of Peak Emission (Typ.) (I_F=10mA)	λ P	590	nm
Wavelength of Dominant Emission (Typ.) (I_F=10mA)	λ D	588	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I_F=10mA)	Δλ	35	nm
Capacitance (Typ.) (V_F=0V, f=1MHz)	C	20	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm λ P	Description
			min.	typ.		
AUY14C2-A	Yellow	GaAsP/GaP	800	2990	590	Common Cathode. Rt. Hand Decimal

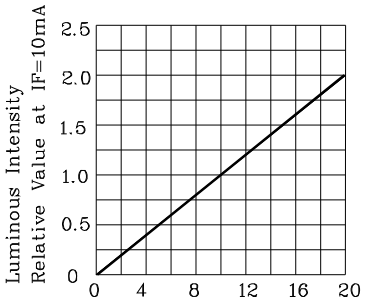


RELATIVE INTENSITY Vs. WAVELENGTH

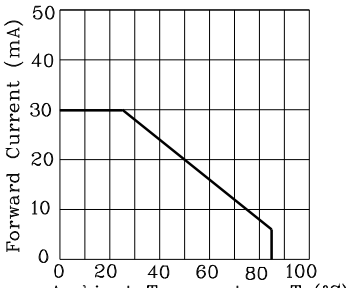
❖ **UY**



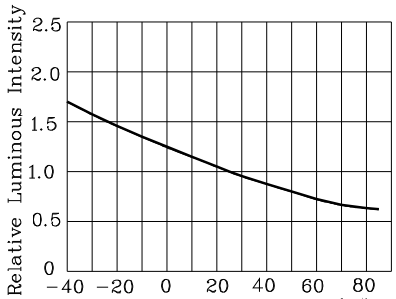
FORWARD CURRENT Vs.
FORWARD VOLTAGE



LUMINOUS INTENSITY Vs.
FORWARD CURRENT



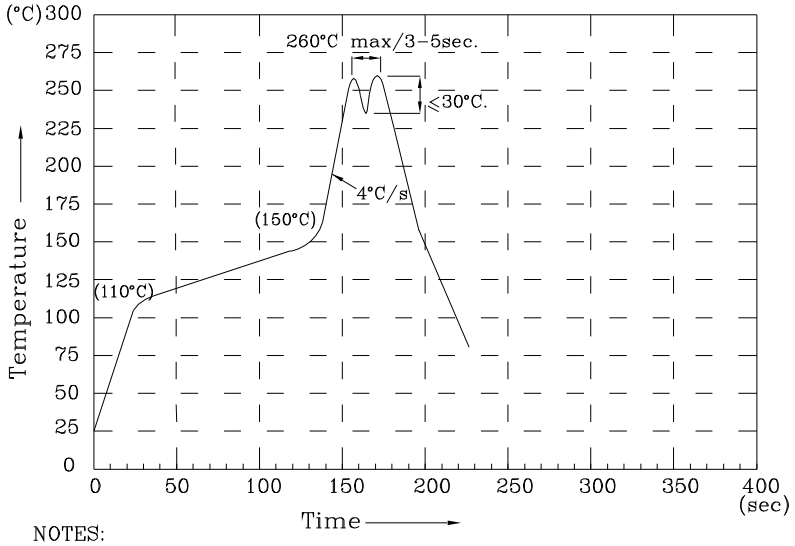
FORWARD CURRENT
DERATING CURVE



LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE

AUY14C2-A

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.

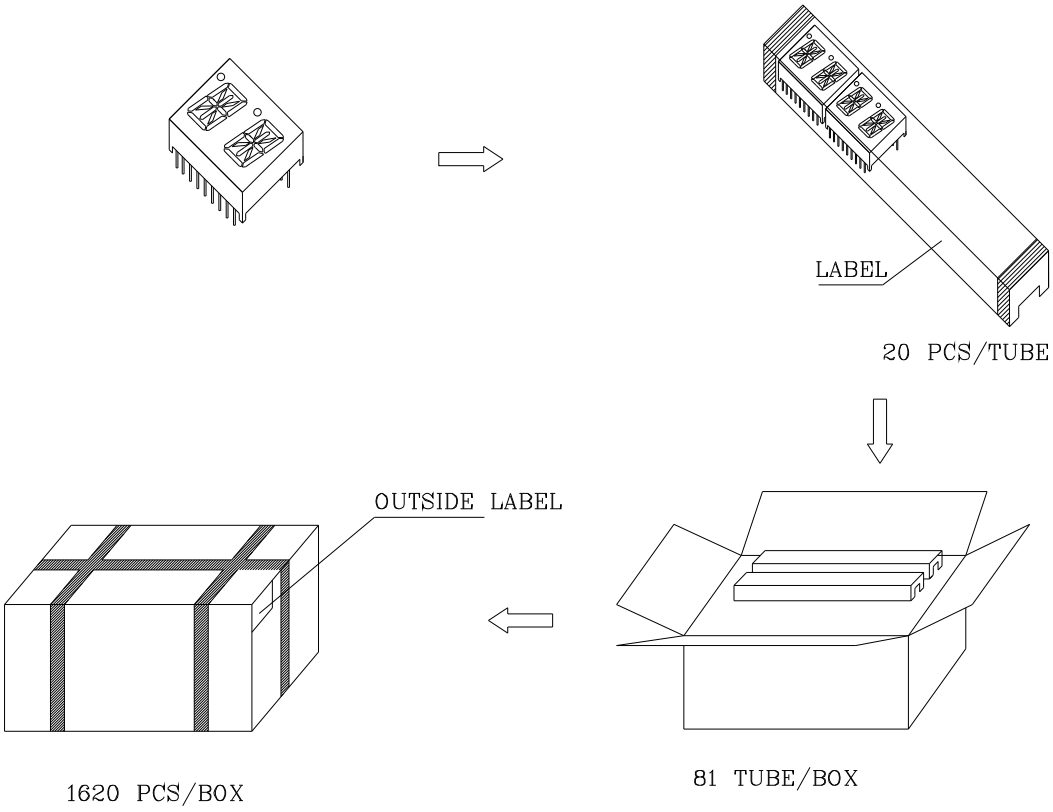
Remarks:

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:

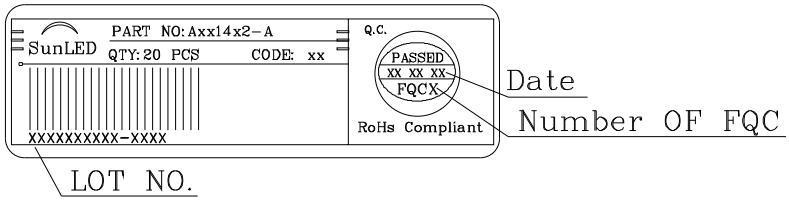
1. Wavelength: +/-1nm
2. Luminous intensity / luminous flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS AUY14C2-A



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

