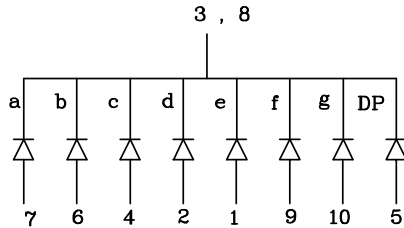


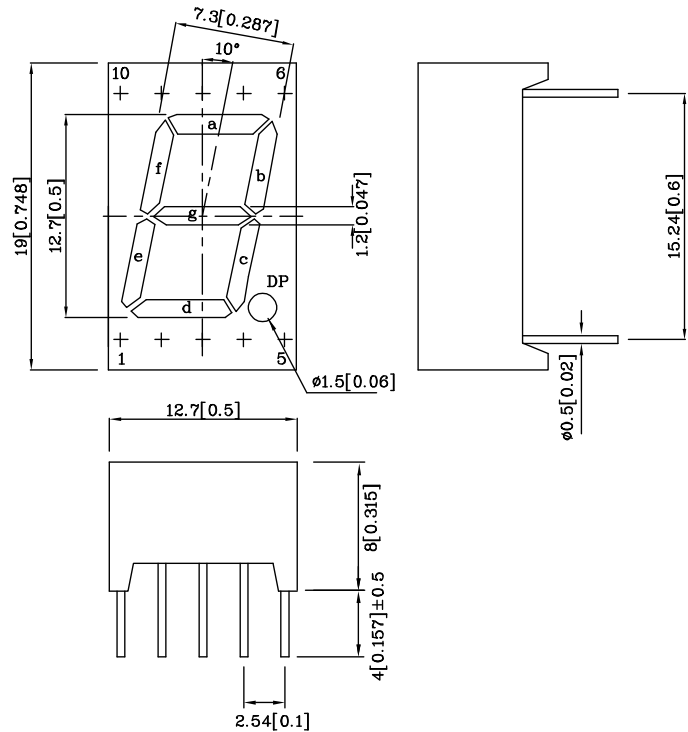
Features

- 0.5 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



Notes:

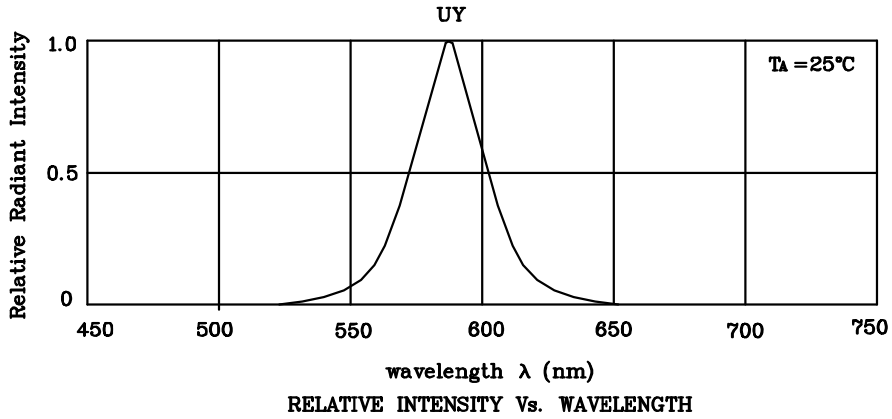
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
3. Specifications are subject to change without notice.



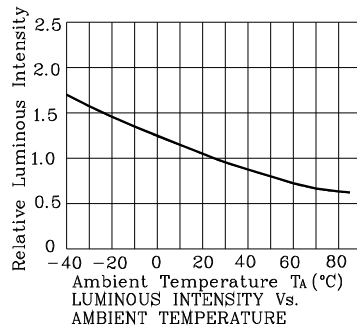
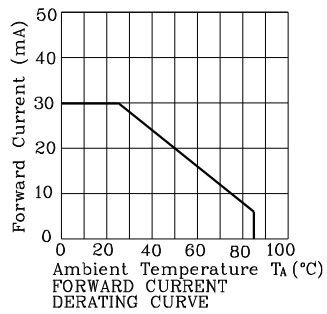
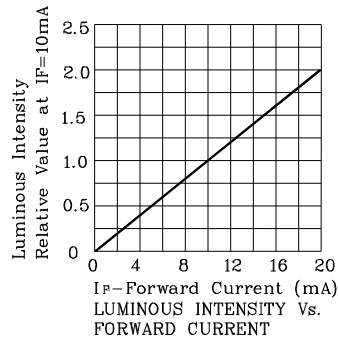
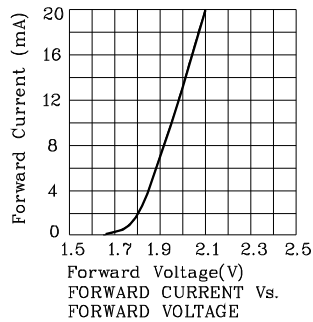
Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)		UY (GaAsP/GaP)	Unit
Reverse Voltage	V_R	5	V
Forward Current	I_F	30	mA
Forward Current (peak) 1/10Duty Cycle 0.1ms Pulse Width	i_{FS}	140	mA
Power Dissipation	P_T	75	mW
Operating Temperature	T_A	-40 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +85	
Lead Solder Temperature [2mm below package base]	260°C For 3~ 5 Seconds		

Operating Characteristics ($T_A=25^\circ\text{C}$)		UY (GaAsP/GaP)	Unit
Forward Voltage (Typ.) ($I_F=10\text{mA}$)	V_F	1.95	V
Forward Voltage (Max.) ($I_F=10\text{mA}$)	V_F	2.5	V
Reverse Current (Max.) ($V_R=5\text{V}$)	I_R	10	μA
Wavelength Of Peak Emission (Typ.) ($I_F=10\text{mA}$)	λ_P	590	nm
Wavelength Of Domi- nant Emission (Typ.) ($I_F=10\text{mA}$)	λ_D	588	nm
Spectral Line Full Width At Half-Maximum (Typ.) ($I_F=10\text{mA}$)	$\Delta\lambda$	35	nm
Capacitance (Typ.) ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	20	pF

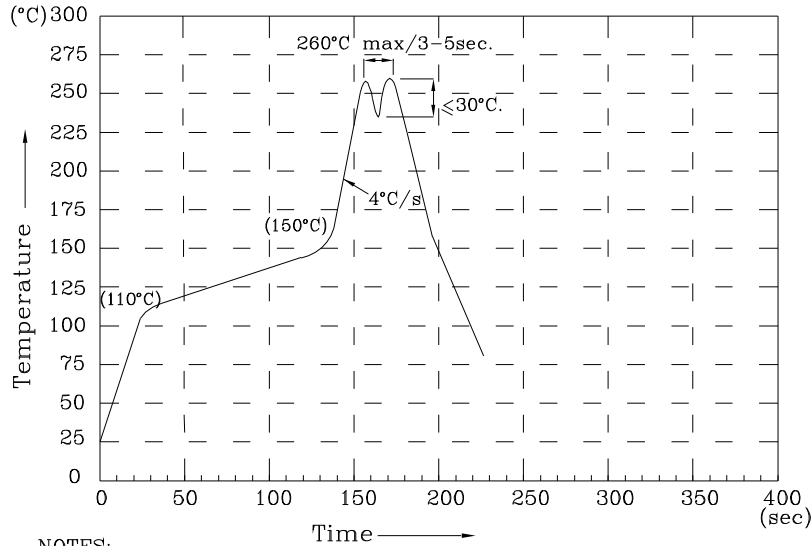
Part Number	Emitting Color	Emitting Material	Luminous Intensity ($I_F=10\text{mA}$) ucd		Wavelength nm λ_P	Description
			min.	typ.		
XDUY12C	Yellow	GaAsP/GaP	1200	4690	590	Common Cathode,Rt.Hand Decimal
Published Date : JAN 05,2008 Drawing No : XDSA0206 V5 Checked : B.L.LIU P.1/4						



❖ 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.

Remarks:

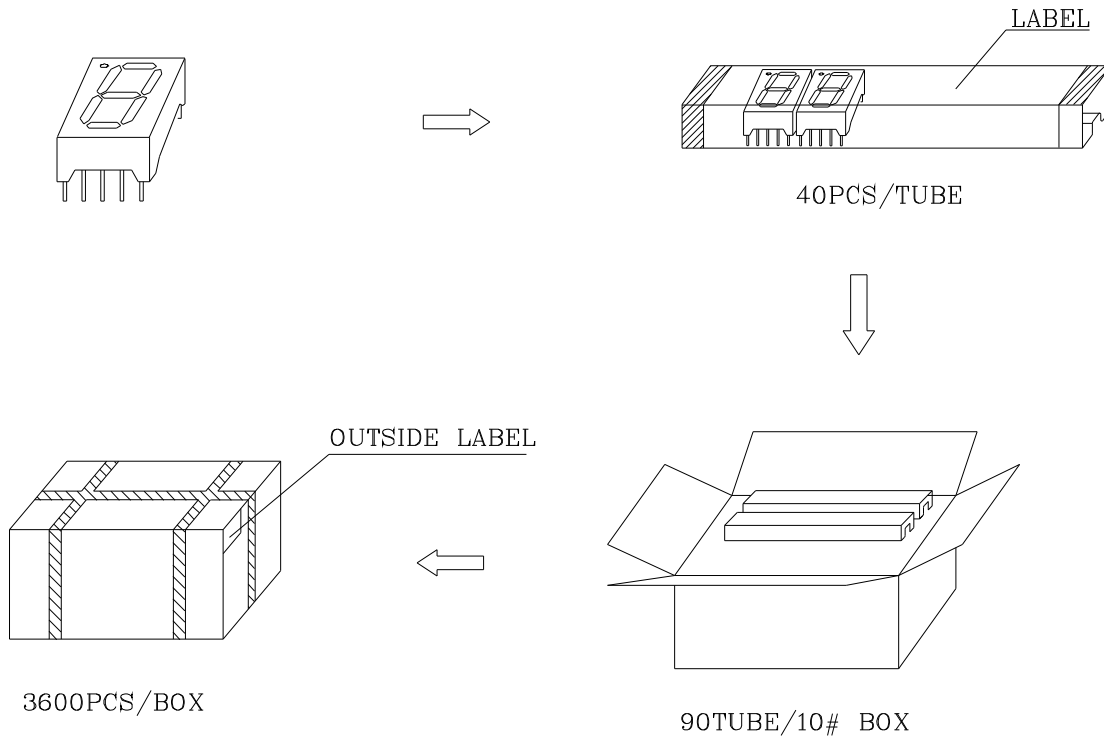
If special sorting is required (e.g. binning based on forward voltage, luminous intensity, or wavelength), the typical accuracy of the sorting process is as follows:

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

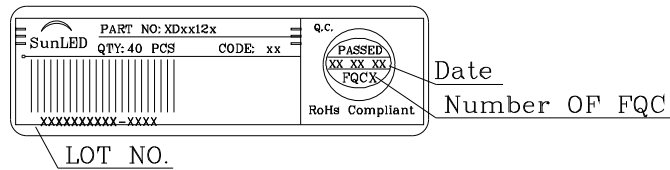
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

XDUY12C



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

