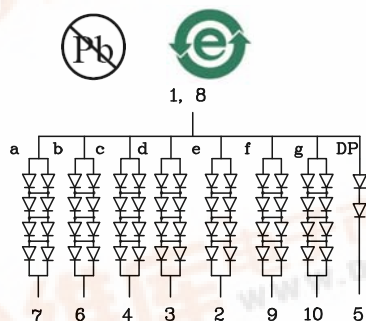


Part Number: **DUY100A-A**

100mm (4.0") SINGLE DIGIT NUMERIC DISPLAY

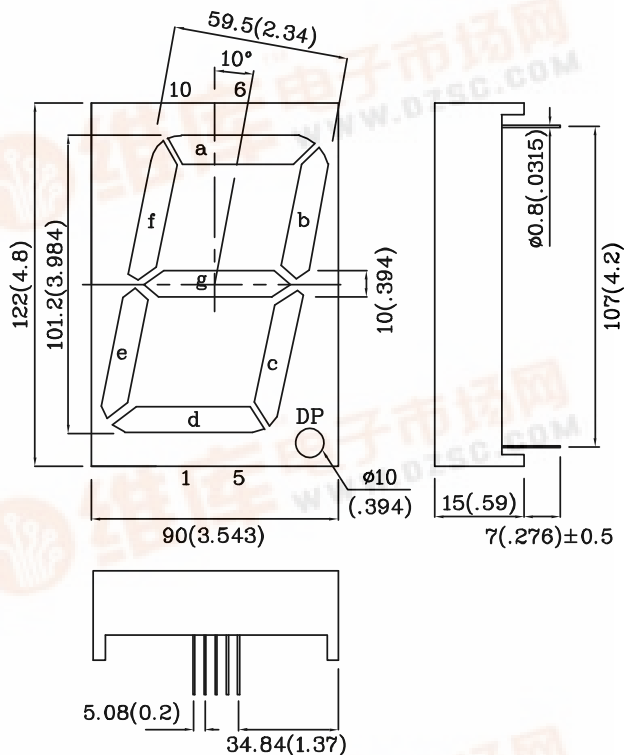
Features

- LARGE SIZE.
- 4.0 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- HIGH LIGHT OUTPUT.
- 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.

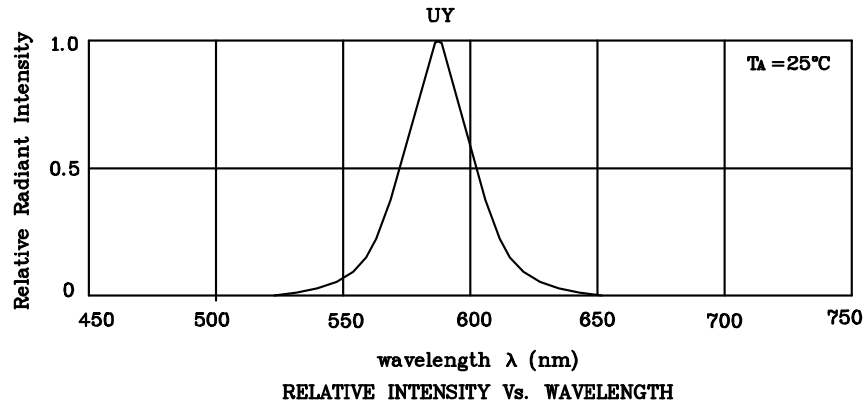
Absolute maximum ratings (TA=25°C)		UY (GaAsP/GaP)	Unit
Reverse Voltage Per Segment Or (Dp)	VR	20 (10)	V
Forward Current Per Segment Or (Dp)	IF	60 (30)	mA
Forward Current (Peak) Per Segment Or (Dp) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	280 (140)	mA
Power Dissipation Per Segment Or (Dp)	PT	600 (150)	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3~5 Seconds		



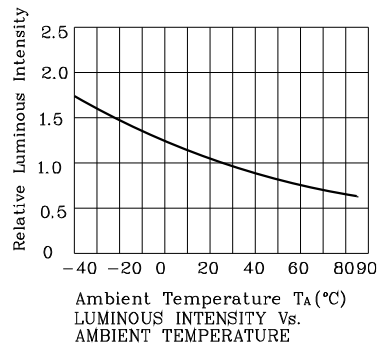
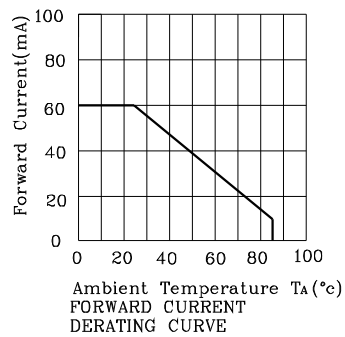
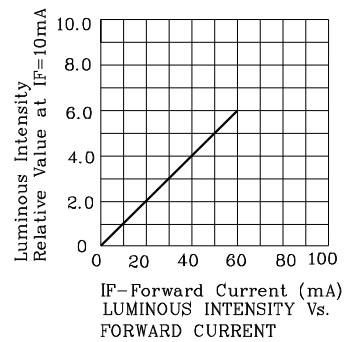
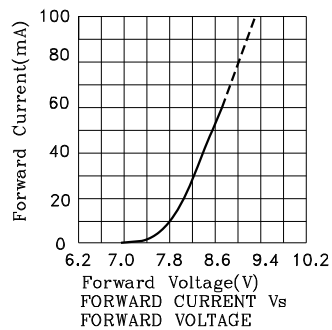
Operating Characteristics (TA=25°C)		UY (GaAsP/GaP)	Unit
Forward Voltage (Typ.) Per Segment Or (Dp) (IF=10mA)	VF	7.8 (3.9)	V
Forward Voltage (Max.) Per Segment Or (Dp) (IF=10mA)	VF	10.0 (5.0)	V
Reverse Current Per Segment Or (Dp) (Max.) (VR=20(10)V)	IR	20 (10)	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λP	590	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λD	588	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	$\Delta\lambda$	35	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	20	pF

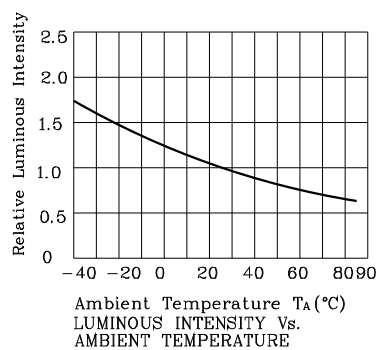
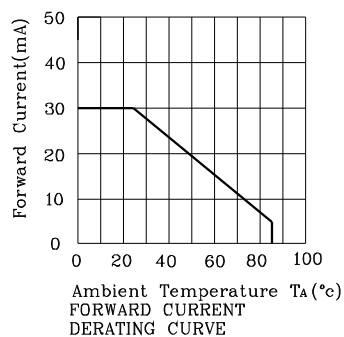
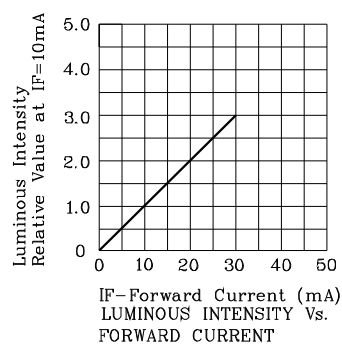
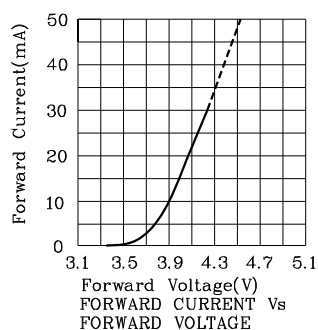
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd	Wavelength nm λP	Description
DUY100A-A	Yellow	GaAsP/GaP	min. 8000 typ. 25990	590	Common Anode, Rt. Hand Decimal





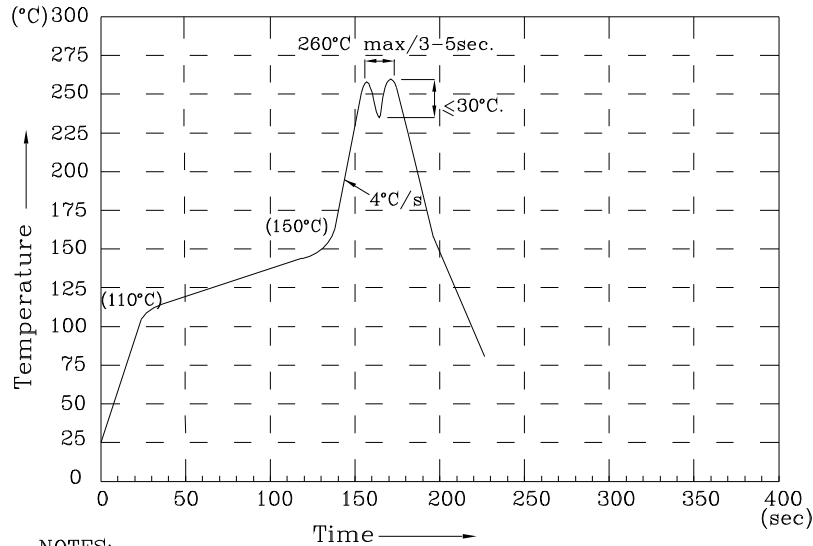
❖ **UY**





DUY100A-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:

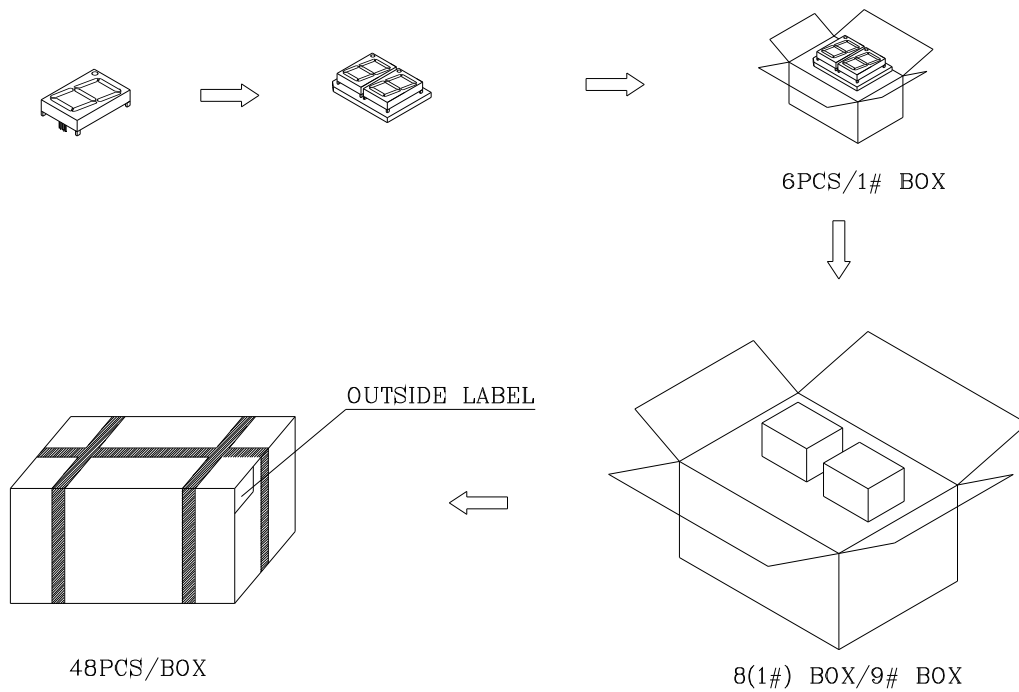
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

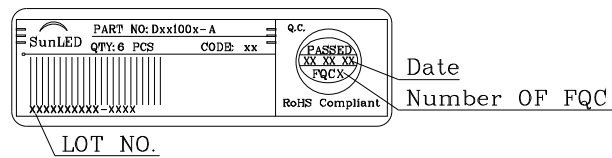
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

DUY100A-A



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

