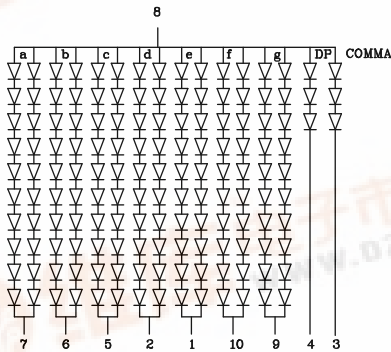


Part Number: DUY127A-A

127mm (5.0") SEVEN SEGMENT DISPLAY

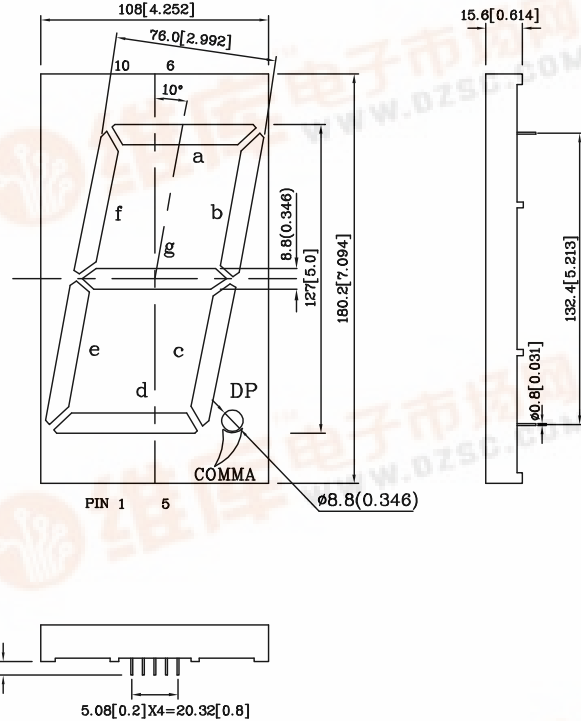
Features

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



Notes:

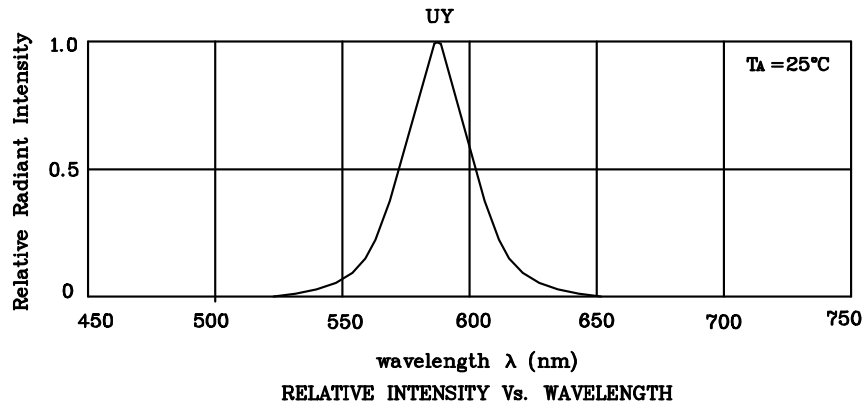
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. Specifications are subject to change without notice.



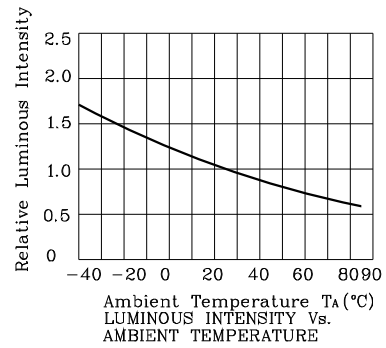
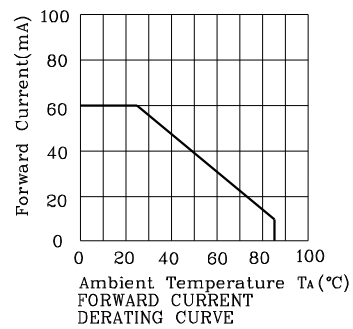
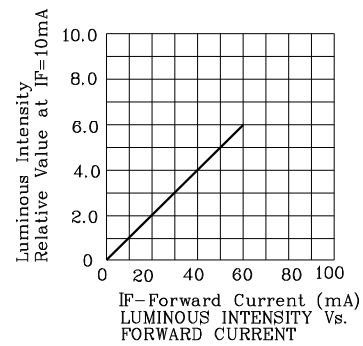
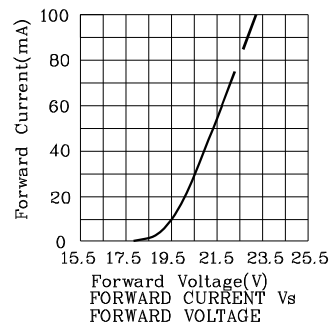
Absolute Maximum Ratings (TA=25°C)		UY (GaAsP/ GaP)	Unit
Reverse Voltage Per Segment Or (Dp And Comma)	VR	50 (15)	V
DC Forward Current Per Segment Or (Dp And Comma)	IF	60 (30)	mA
Forward Current (Peak) Per Segment Or (Dp And Comma) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	280 (140)	mA
Power Dissipation Per Segment Or (Dp And Comma)	PT	1500 (225)	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		

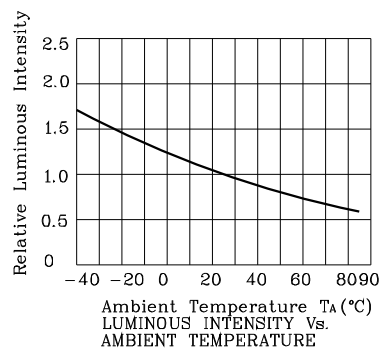
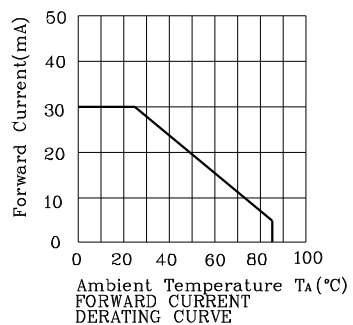
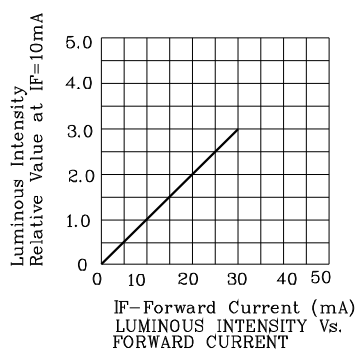
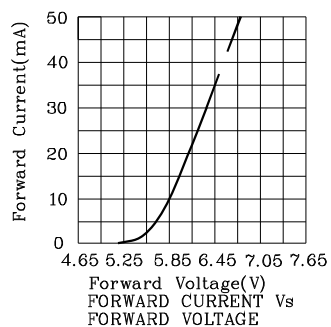
Operating Characteristics (TA=25°C)		UY (GaAsP/ GaP)	Unit
Forward Voltage (IF=10mA) (Typ.) Per Segment Or (Dp And Comma)	VF	19.5 (5.85)	V
Forward Voltage (IF=10mA) (Max.) Per Segment Or (Dp And Comma)	VF	25.0 (7.5)	V
Reverse Current (VR=50V(15V)) (Max.) Per Segment Or (Dp And Comma)	IR	20 (10)	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λ P	590	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λ D	588	nm
Spectral Line Full Width At Half- Maximum (Typ.) (IF=10mA)	Δλ	35	nm
Capacitance (Per Segment) (Typ.) (VF=0V, f=1MHz)	C	20	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm λ P	Description
			min.	typ.		
DUY127A-A	Yellow	GaAsP/GaP	12000	31890	590	Common Anode, Rt. Hand Decimal

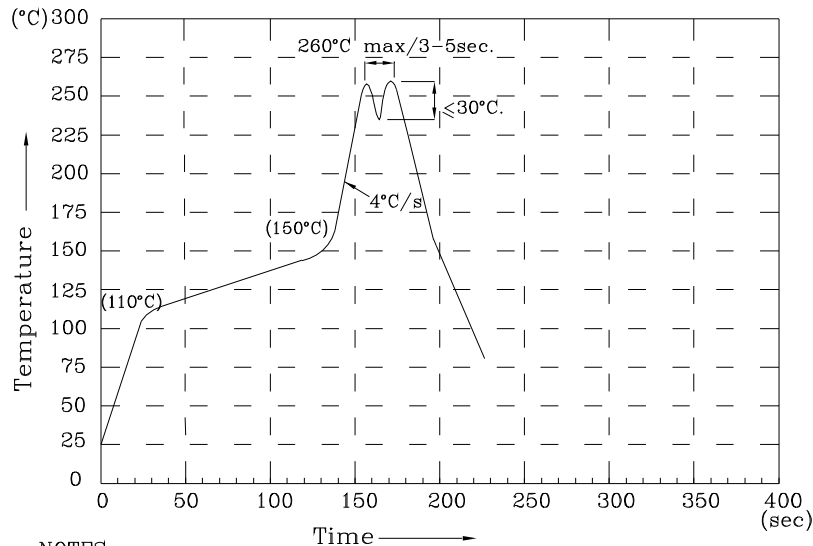


❖ **UY**





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



NOTES:

1. Recommend the wave temperature $245^{\circ}\text{C} \sim 260^{\circ}\text{C}$. The maximum soldering temperature should be less than 260°C .
2. Do not apply stress on epoxy resins when temperature is over 85°C .
3. The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
4. No more than once.

Remarks:

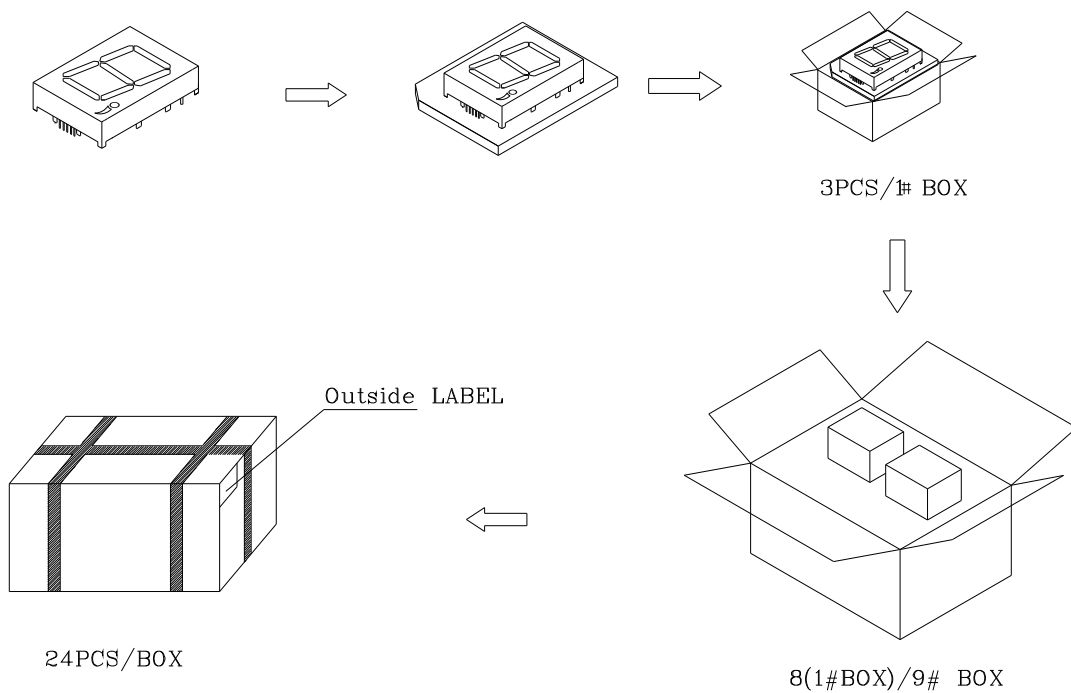
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: $\pm 1\text{nm}$
2. Luminous intensity / luminous flux: $\pm 15\%$
3. Forward Voltage: $\pm 0.1\text{V}$

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

DUY127A-A



Inside LABEL Paste On The 1# Box

SunLED	PART NO: Dxx127x-A	Q.C.
QTY: 3 PCS	CODE: xx	PASSED XX XX XX FQC
XXXXXXXXXX-XXXX		RoHS Compliant

LOT NO.

Date

Number OF FQC

Outside LABEL Paste On The Box

BOX Number	XXXX	XXXX	BIN CODE
Dxx127x-A	24	XX	
			Number OF QA
			Date

QA X
XX XX XX
PASSED