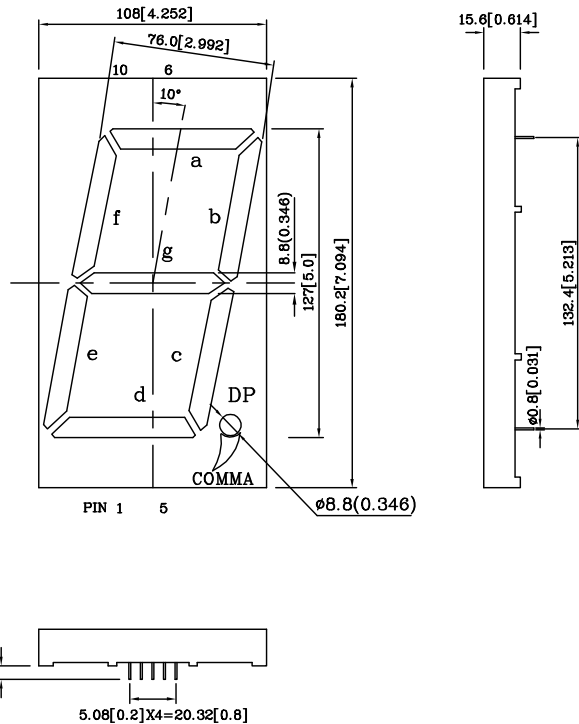
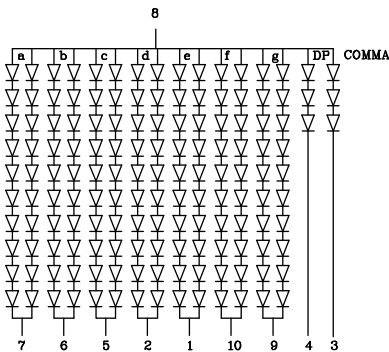


**Features**

- 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:

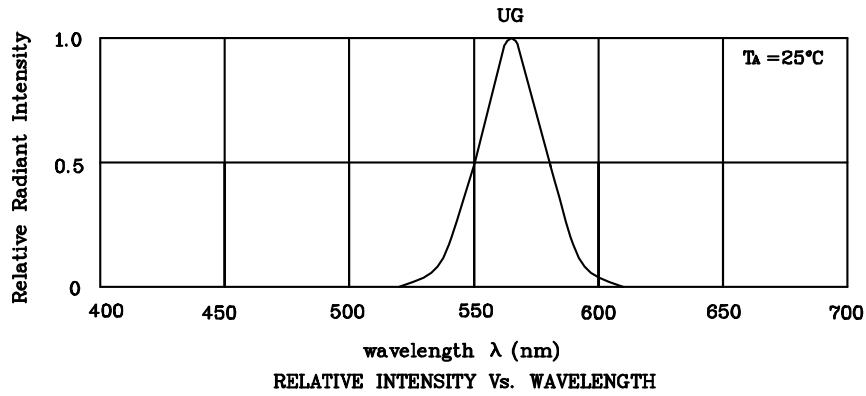
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01")$  unless otherwise noted.
3. Specifications are subject to change without notice.



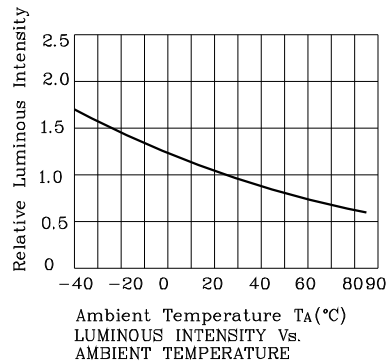
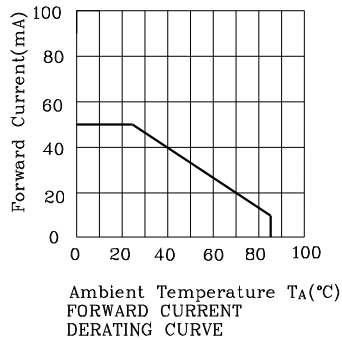
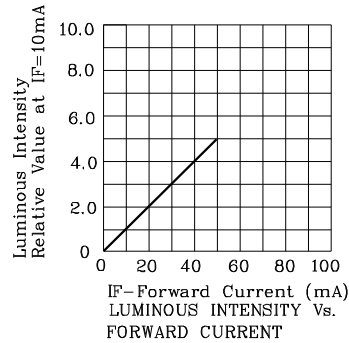
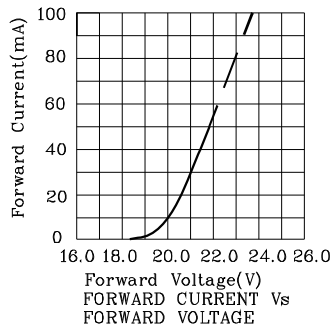
Absolute Maximum Ratings (TA=25°C)		UG (GaP)	Unit
Reverse Voltage Per Segment Or (Dp And Comma)	VR	50 (15)	V
DC Forward Current Per Segment Or (Dp And Comma)	IF	50 (25)	mA
Forward Current (Peak) Per Segment Or (Dp And Comma) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	280 (140)	mA
Power Dissipation Per Segment Or (Dp And Comma)	PT	1250 (187.5)	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		

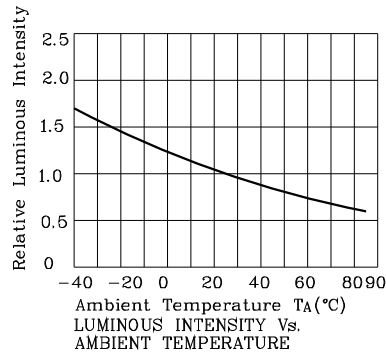
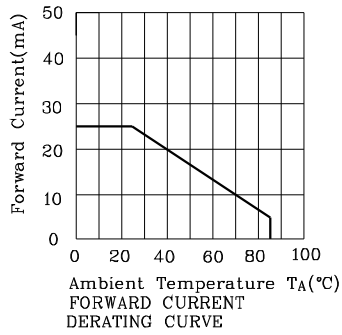
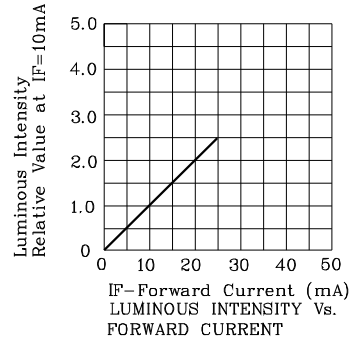
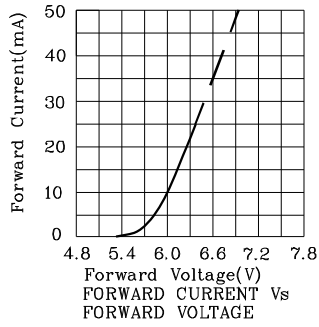
Operating Characteristics (TA=25°C)		UG (GaP)	Unit
Forward Voltage (IF=10mA) (Typ.) Per Segment Or (Dp And Comma)	VF	20.0 (6.0)	V
Forward Voltage (IF=10mA) (Max.) Per Segment Or (Dp And Comma)	VF	25.0 (7.5)	V
Reverse Current (VR=50V(15V)) (Max.) Per Segment Or (Dp And Comma)	IR	20 (10)	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λ P	565	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λ D	568	nm
Spectral Line Full Width At Half- Maximum (Typ.) (IF=10mA)	Δλ	30	nm
Capacitance (Per Segment) (Typ.) (VF=0V, f=1MHz)	C	15	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd	Wavelength nm λ P	Description	
			min.	typ.		
XDUG127A-A	Green	GaP	26000	83590	565	Common Anode, Rt. Hand Decimal

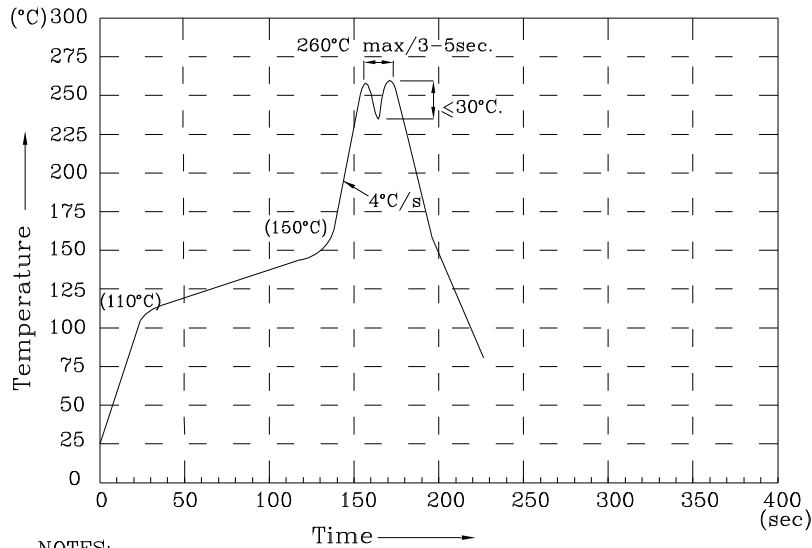


❖ UG





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:

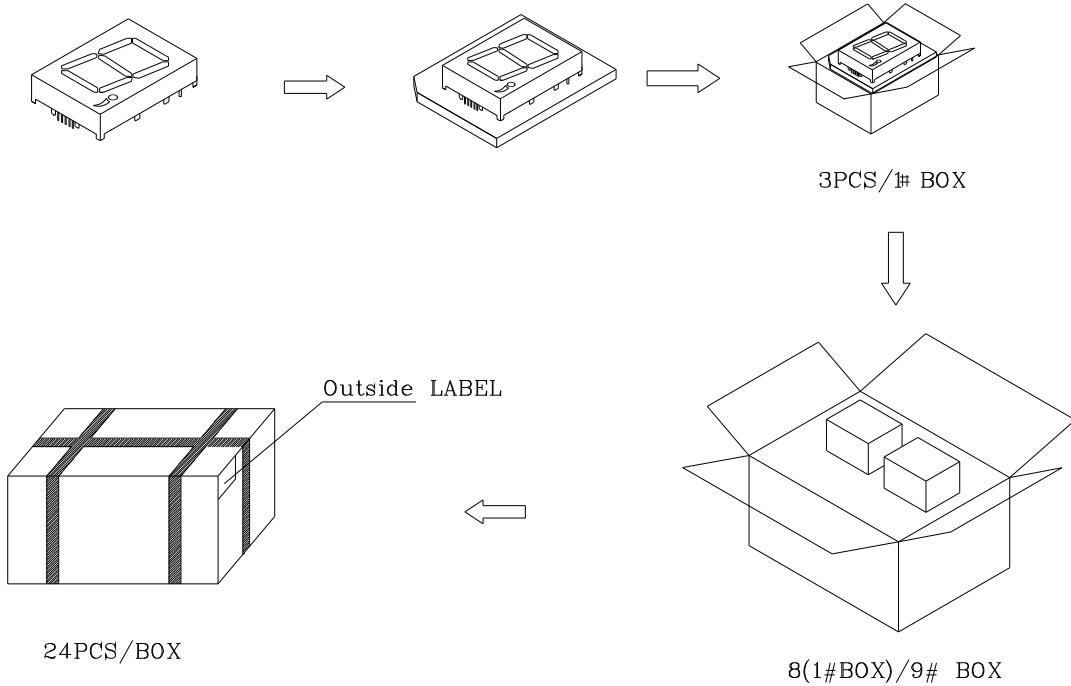
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

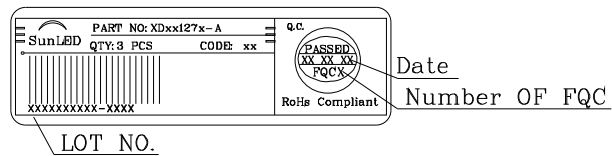
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

XDUG127A-A



Inside LABEL Paste On The 1# Box



Outside LABEL Paste On The Box

