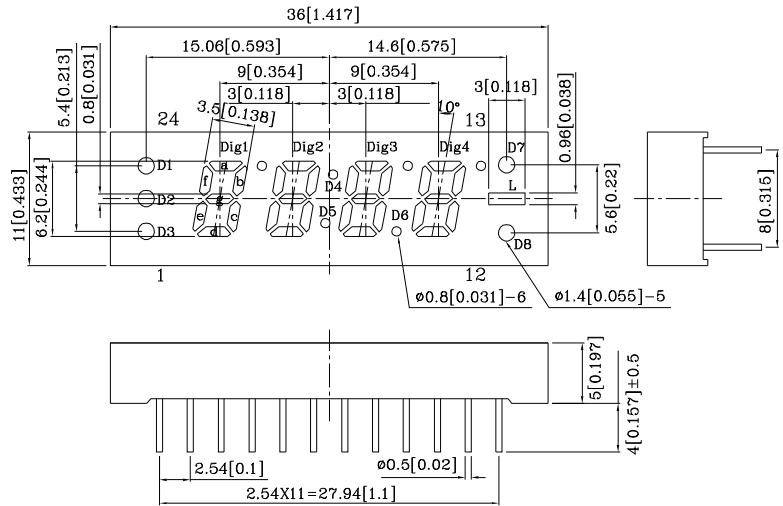
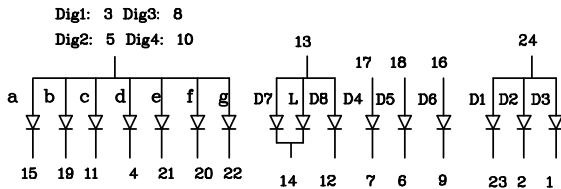


Features

- 0.25 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.



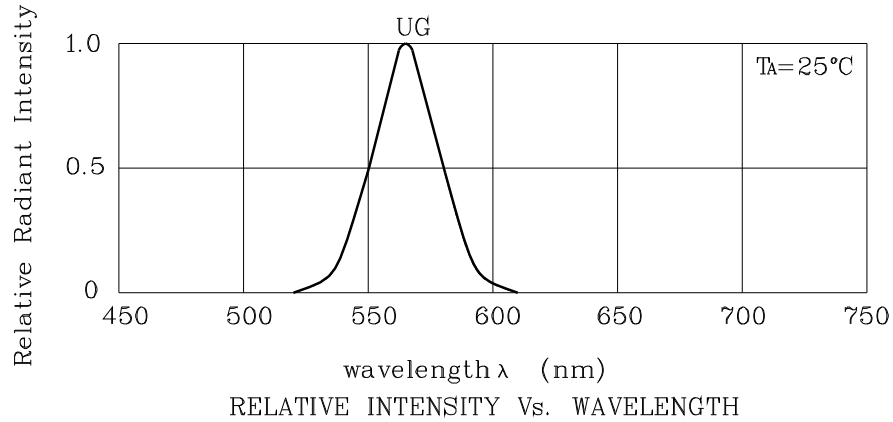
Notes:

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.

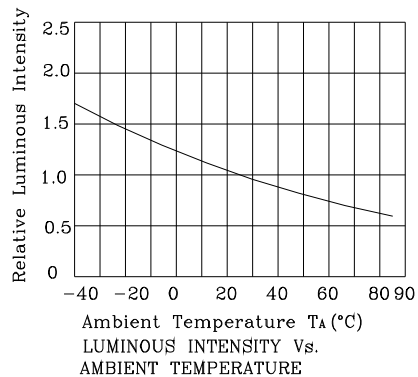
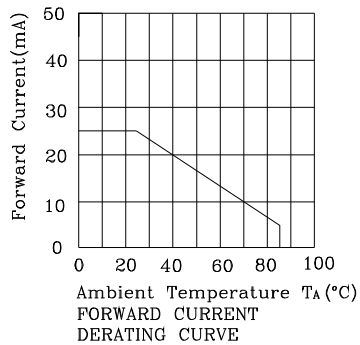
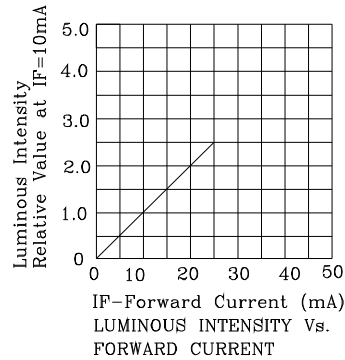
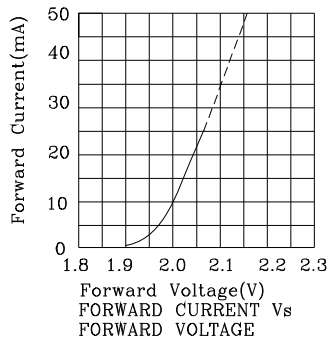
Absolute Maximum Ratings (TA=25°C)		UG (GaP)	Unit
Reverse Voltage	Dig1'8,'Dig2'8,'Dig3'8',D ig4'8' D1,D2,D3,D4,D5,D6,D8	VR	5
	D7,L		
Forward Current	Dig1'8,'Dig2'8,'Dig3'8',D ig4'8' D1,D2,D3,D4,D5,D6,D8	IF	25
	D7,L		50
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	Dig1'8,'Dig2'8,'Dig3'8',D ig4'8' D1,D2,D3,D4,D5,D6,D8	iFS	140
	D7,L		280
Power Dissipation	Dig1'8,'Dig2'8,'Dig3'8',D ig4'8' D1,D2,D3,D4,D5,D6,D 8	PT	62.5
	D7,L		125
Operating Temperature		TA	-40 ~ +85
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 Volt- age (Typ.) (IF=10mA)	Dig1'8,'Dig2'8,'Dig3'8',D ig4'8' D1,D2,D3,D4,D5,D6,D8	VF	2.0
	D7,L		
Forward Volt- age (Max.) (IF=10mA)	Dig1'8,'Dig2'8,'Dig3'8',D ig4'8' D1,D2,D3,D4,D5,D6,D8	VF	2.5
	D7,L		
Reverse Cur- rent (Max.) (VR=5V)	Dig1'8,'Dig2'8,'Dig3'8',D ig4'8' D1,D2,D3,D4,D5,D6,D8	IR	10
	D7,L		20
Wavelength of Peak (Typ.) Emission (IF=10mA)		λP	565
Wavelength of Dominant Emission (Typ.) (IF=10mA)		λD	568
Spectral Line Full Width (Typ.) At Half-Maximum (IF=10mA)		$\Delta\lambda$	30
Capacitance (Typ.) (VF=0V, f=1MHz)		C	15

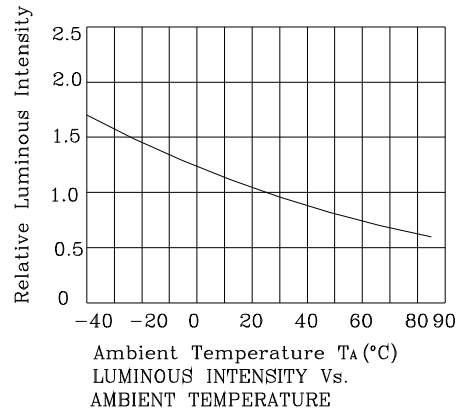
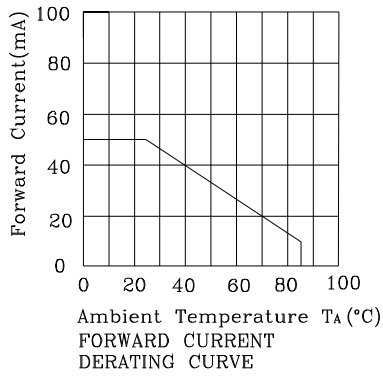
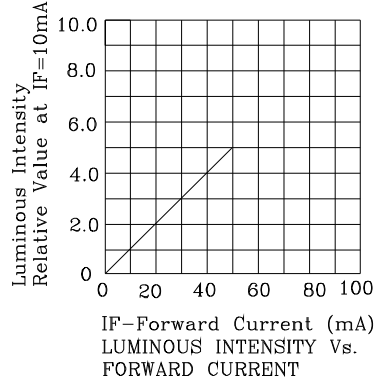
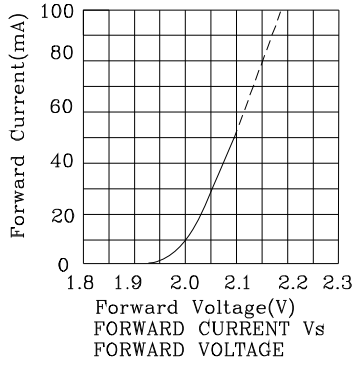
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm λ P	Description
			min.	typ.		
XDUG06A4-A	Green	GaP	1900	10490	565	Common Anode



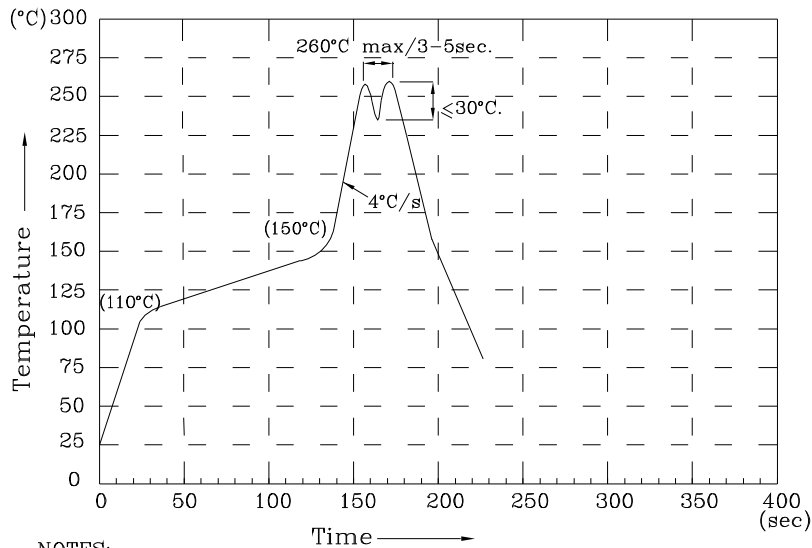
❖ UG



❖ 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:

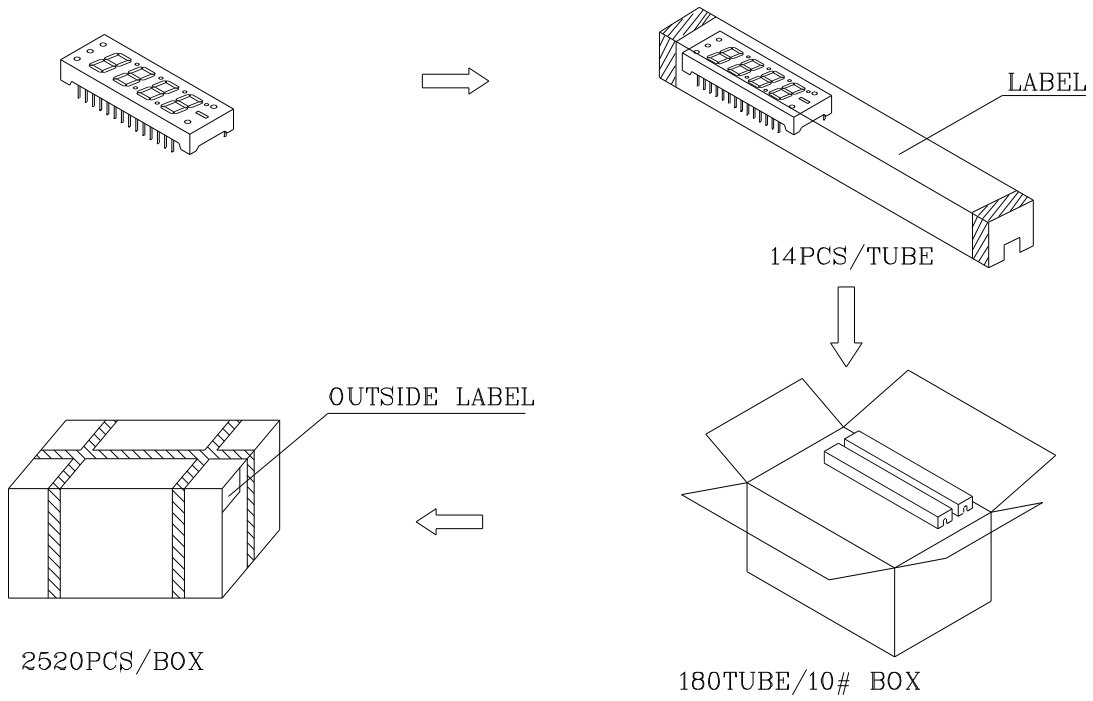
If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

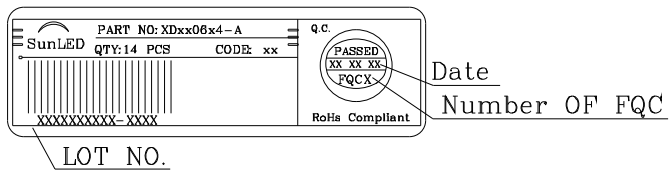
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

XDUG06A4-A



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

