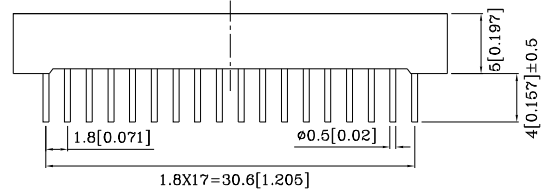
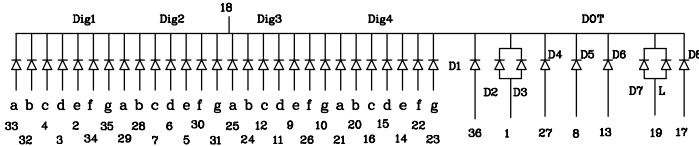
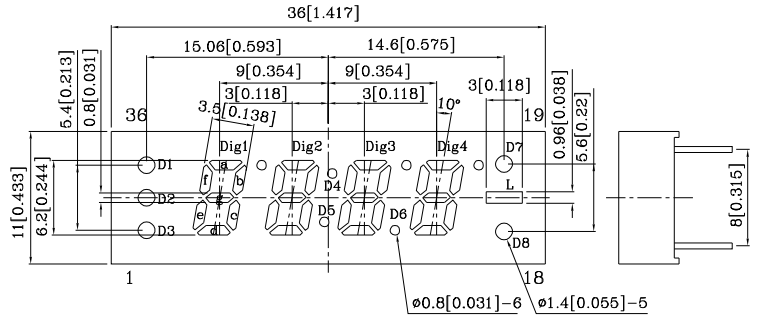


Features

- 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.



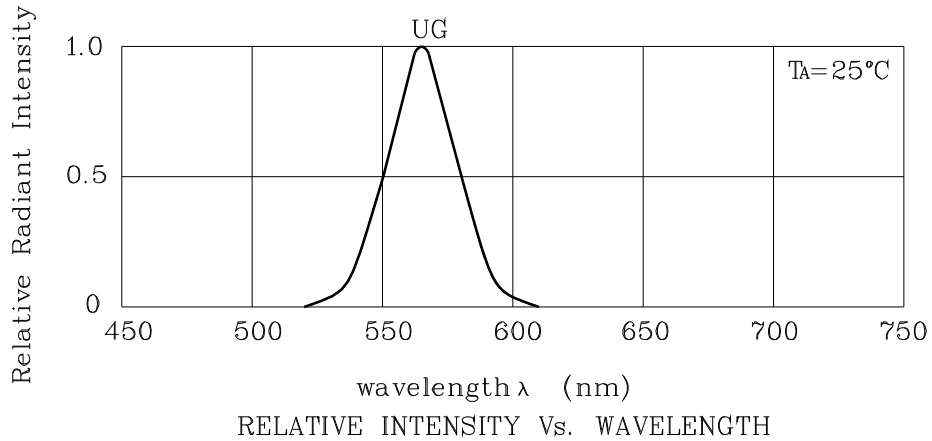
Notes:

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.

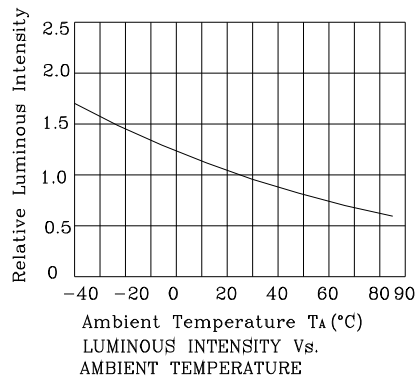
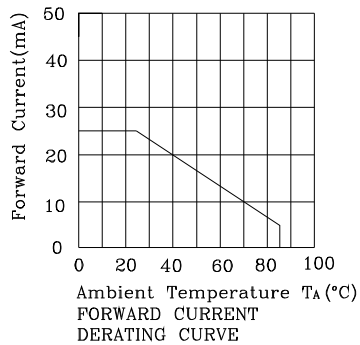
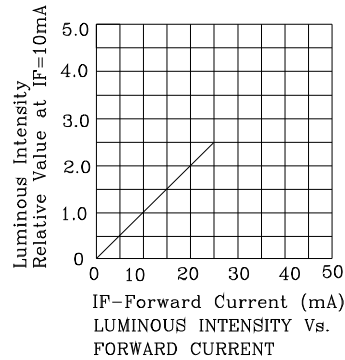
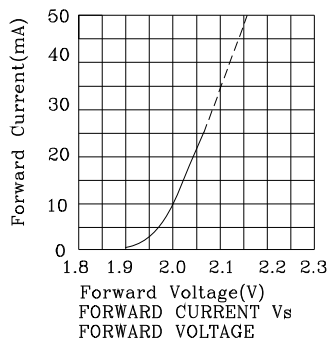
Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)			UG (GaP)	Unit
Reverse Voltage	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	V _R	5	V
	D2,D3,D7,L			
Forward Current	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	I _F	25	mA
	D2,D3,D7,L		50	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	i _{FS}	140	mA
	D2,D3,D7,L		280	
Power Dissipation	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	P _T	62.5	mW
	D2,D3,D7,L		125	
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 ($T_A=25^\circ\text{C}$)			UG (GaP)	Unit
Forward Voltage (Typ.) (I _F =10mA)	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	V _F	2.0	V
	D2,D3,D7,L			
Forward Voltage (Max.) (I _F =10mA)	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	V _F	2.5	V
	D2,D3,D7,L			
Reverse Current (Max.) (V _R =5V)	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	I _R	10	uA
	D2,D3,D7,L		20	
Wavelength of Peak (Typ.) Emission (I _F =10mA)	λ_P		565	nm
Wavelength of Dominant Emission (Typ.) (I _F =10mA)	λ_D		568	nm
Spectral Line Full Width (Typ.) At Half-Maximum (I _F =10mA)	$\Delta\lambda$		30	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C		15	pF

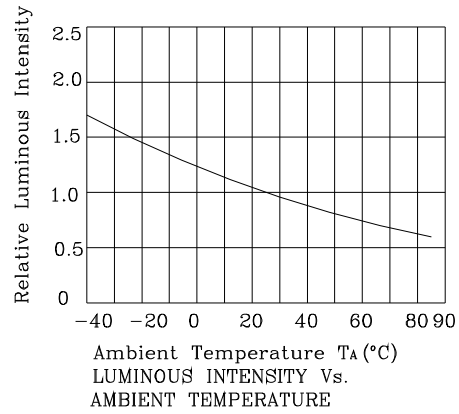
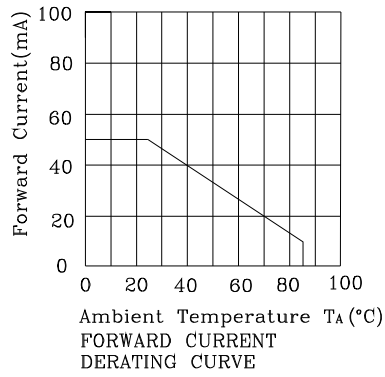
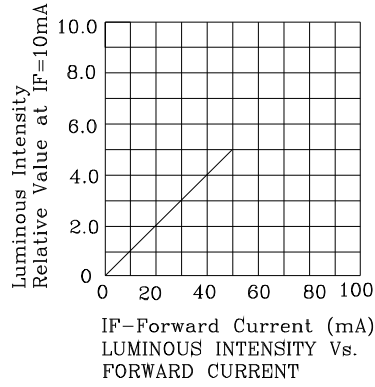
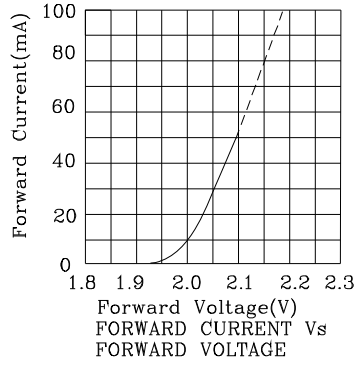
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm λP	Description
			min.	typ.		
XDUG06C4	Green	GaP	1900	10490	565	Common Cathode



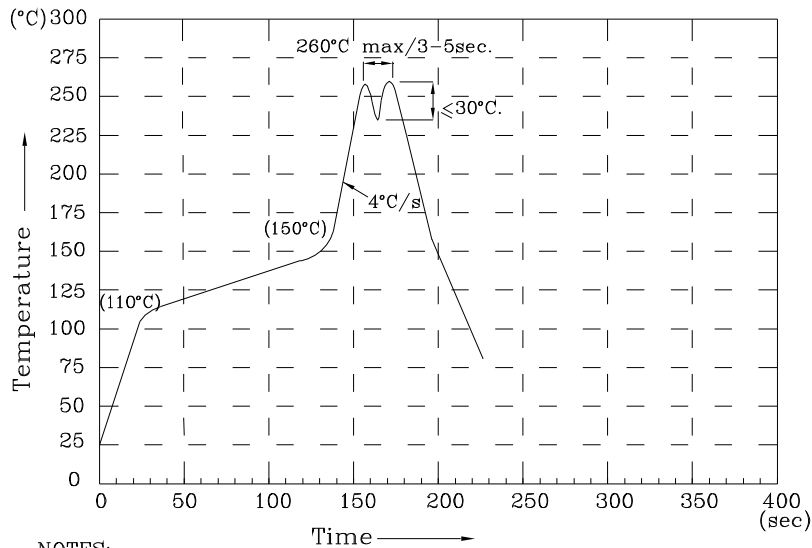
❖ UG



❖ 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:

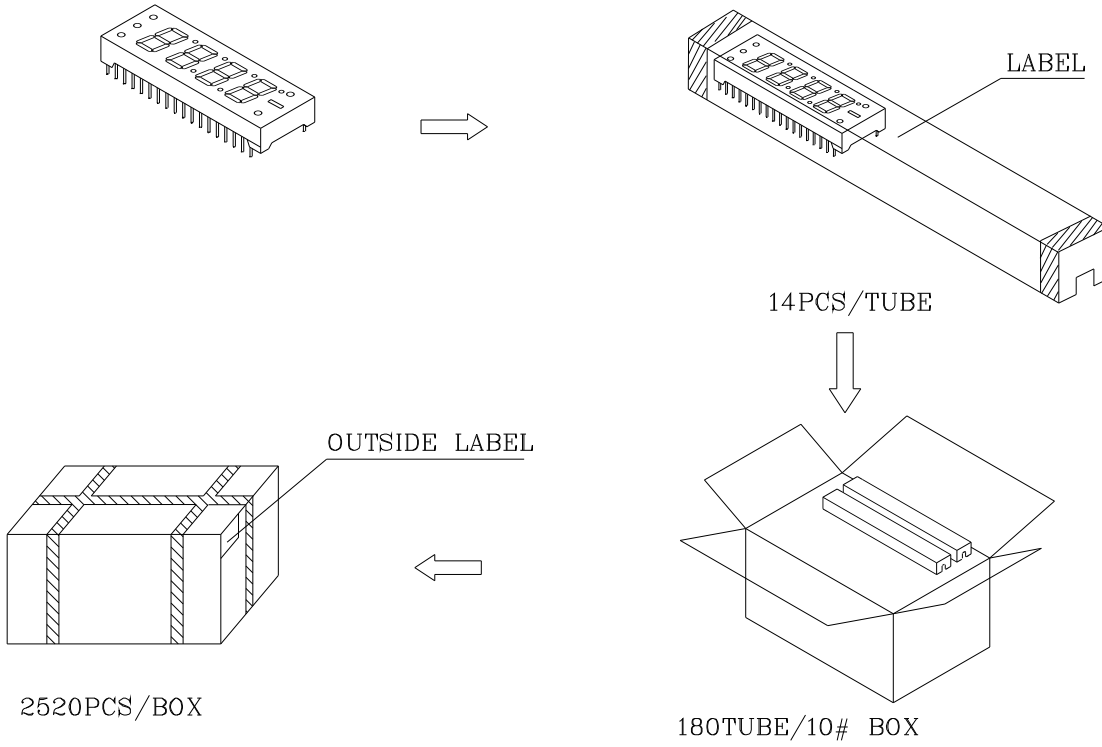
If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

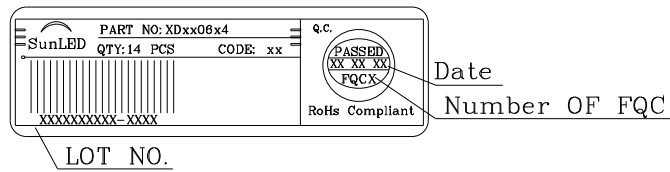
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

XDUG06C4



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

