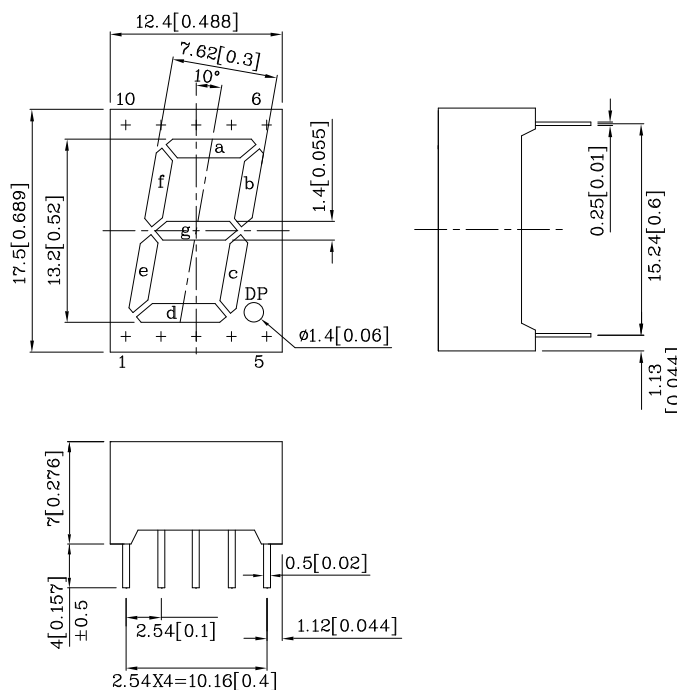
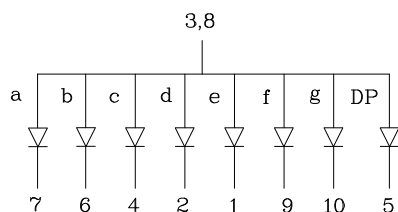


Features

- 0.52 INCH DIGIT HEIGHT.
- EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



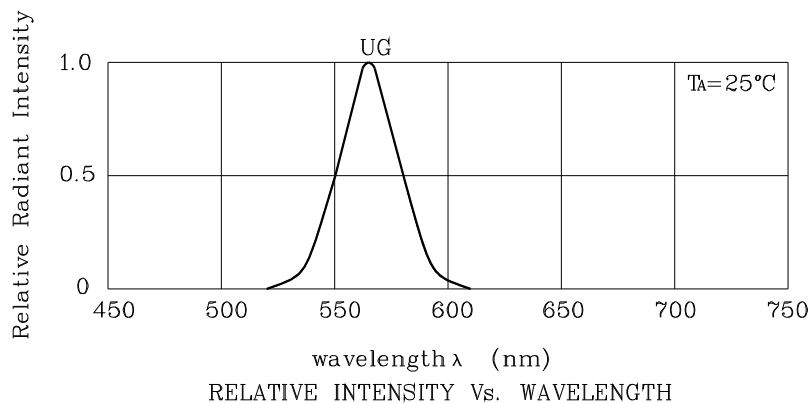
Notes:

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.

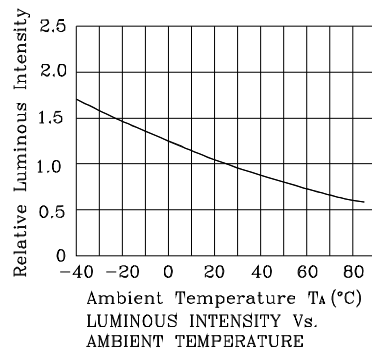
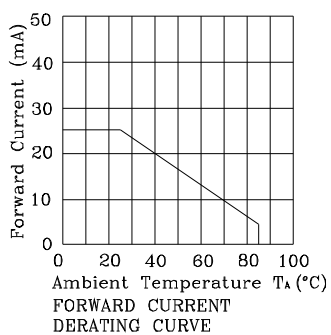
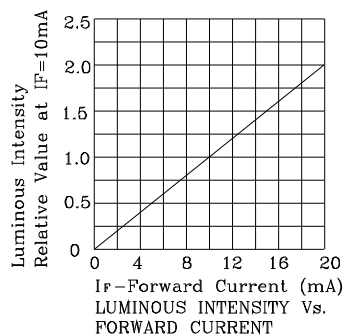
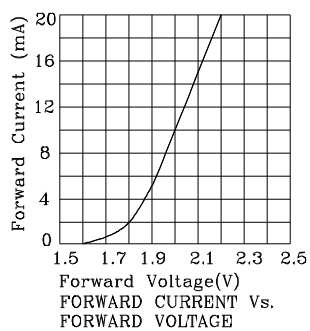
Absolute maximum ratings (TA=25°C)		UG (GaP)	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	140	mA
Power Dissipation	PT	62.5	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3-5 Seconds		

Operating Characteristics (T _A =25°C)		UG (GaP)	Unit
Forward Voltage (Typ.) (I _F =10mA)	V _F	2.0	V
Forward voltage (Max.) (I _F =10mA)	V _F	2.5	V
Reverse Current (Max.) (V _R =5V)	I _R	10	uA
Wavelength at peak Emission (Typ.) (I _F =10mA)	λ P	565	nm
Wavelength of Dominant Emission (Typ.) (I _F =10mA)	λ D	568	nm
Spectral Line half-width At Half-Maximum (Typ.) (I _F =10mA)	Δλ	30	nm
Capacitance (V _F =0V, f=1MHz)	C	15	pF

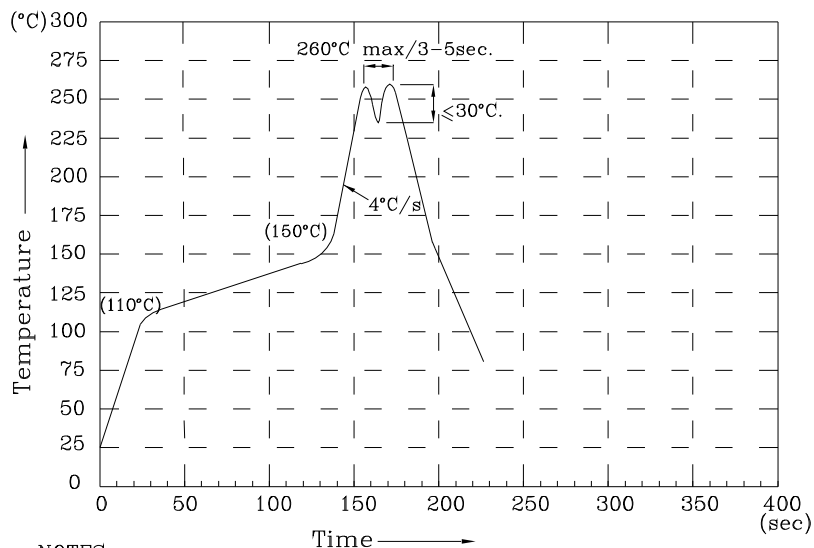
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd	Wavelength nm λ P	Description		
			min.	typ.			
DUG13A	Green	GaP	1900	10490	565	Common	Anode,Rt.Hand Decimal.
Published Date : MAR 05,2008							
Drawing No : SDSA2077		V5		Checked : Shin Chi		P.1/4	



❖ UG



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:

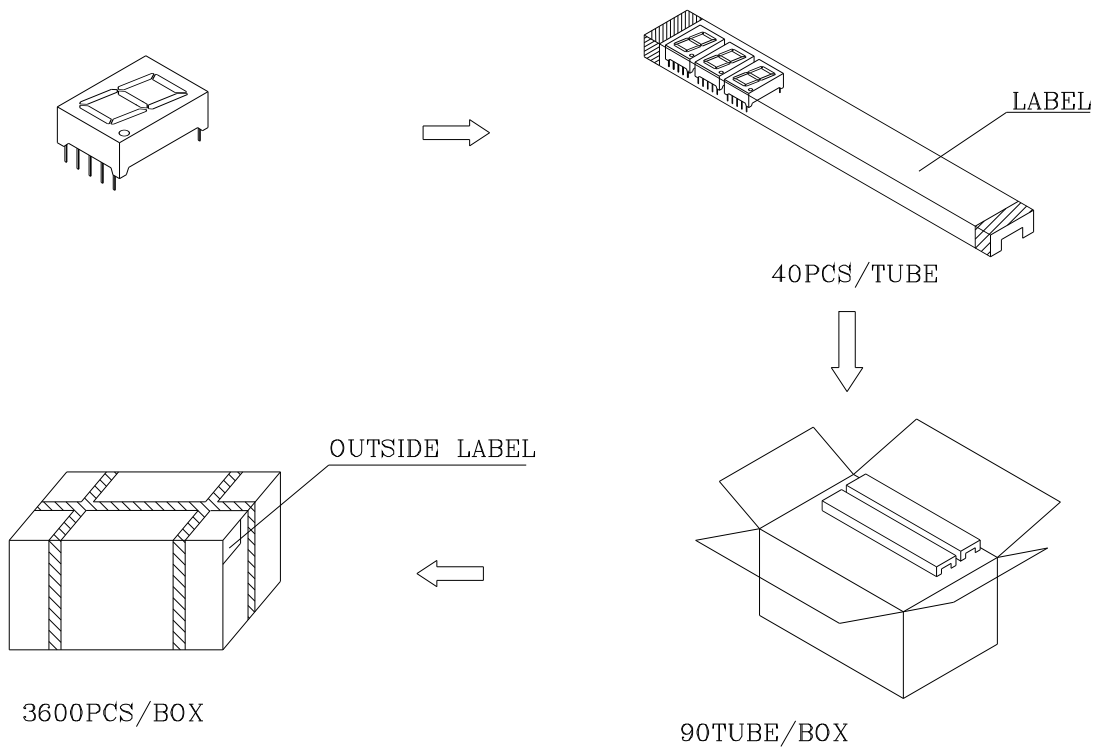
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

DUG13A



Inside LABEL Paste On The IC-tube

SunLED	PART NO: Dxx13x	Q.C.
QTY: 40 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
Dxx13x	3600	XX	Number OF QA
QAx XX XX XX PASSED			Date