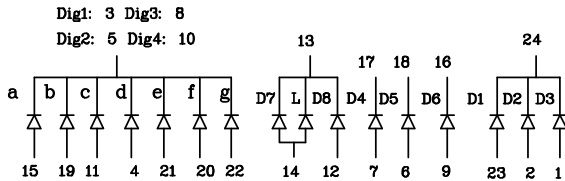


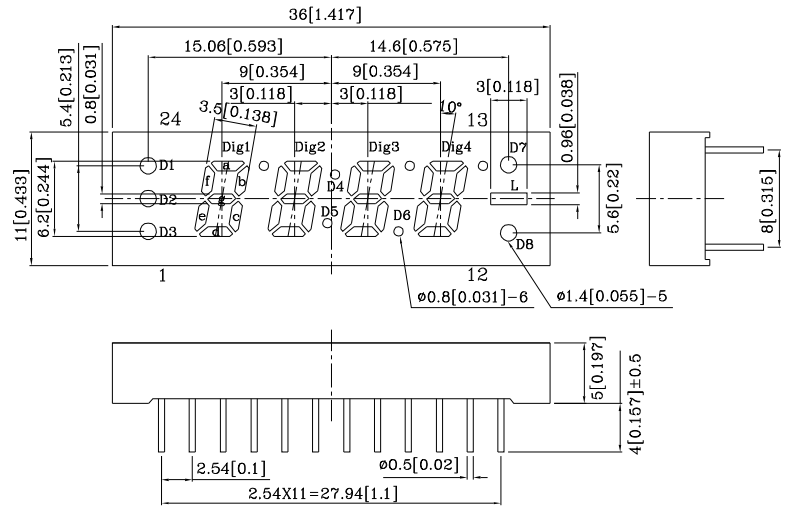
Features

- 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:

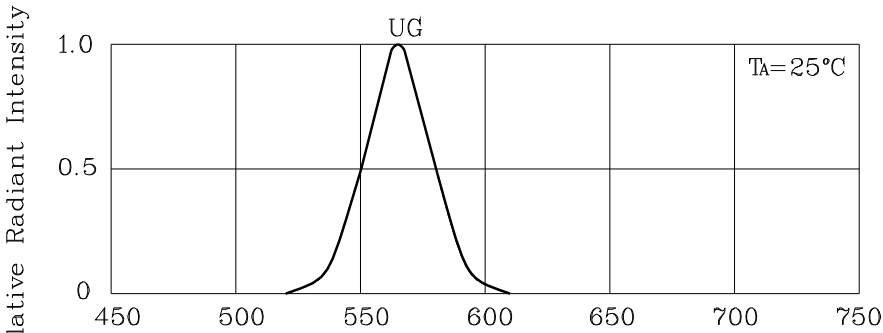
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. Specifications are subject to change without notice.



Absolute Maximum Ratings (TA=25°C)			UG (GaP)	Unit
Reverse Voltage	Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D2,D3,D4,D5,D6,D8	VR	5	V
	D7,L			
Forward Current	Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D2,D3,D4,D5,D6,D8	IF	25	mA
	D7,L		50	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D2,D3,D4,D5,D6,D8	iFS	140	mA
	D7,L		280	
Power Dissipation	Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D2,D3 ,D4,D5,D6,D8	PT	62.5	mW
	D7,L		125	
Operating Temperature		TA	-40 ~ +85	°C
Storage Temperature		Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]		260°C For 3~5 Seconds		

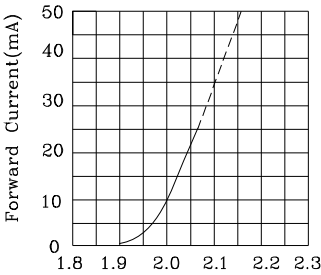
Operating Characteristics (TA=25°C)			UG (GaP)	Unit
Forward Voltage (Typ.) (IF=10mA)	Dig1'8, Dig2'8, Dig3'8, Dig4'8' D1, D2, D3, D4, D5, D6, D8	VF	2.0	V
	D7, L			
Forward Voltage (Max.) (IF=10mA)	Dig1'8, Dig2'8, Dig3'8, Dig4'8' D1, D2, D3, D4, D5, D6, D8	VF	2.5	V
	D7, L			
Reverse Current (Max.) (VR=5V)	Dig1'8, Dig2'8, Dig3'8, Dig4'8' D1, D2, D3, D4, D5, D6, D8	IR	10	uA
	D7, L		20	
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 (Typ.) At Half-Maximum (IF=10mA)		Δλ	30	nm
Capacitance (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.		
DUG06C4-A	Green	GaP	1900	10490	565	Common Cathode

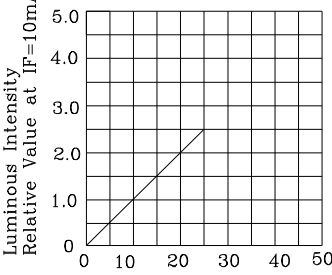


RELATIVE INTENSITY Vs. WAVELENGTH

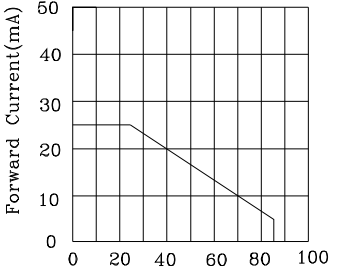
❖ UG



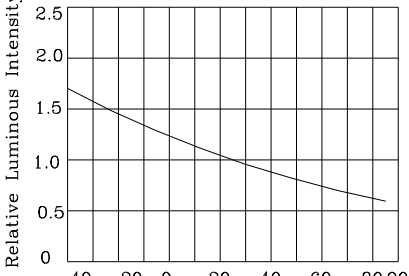
FORWARD CURRENT Vs. FORWARD VOLTAGE



LUMINOUS INTENSITY Vs. FORWARD CURRENT



DERATING CURVE



LUMINOUS INTENSITY Vs. AMBIENT TEMPERATURE

Published Date : FEB 29,2008

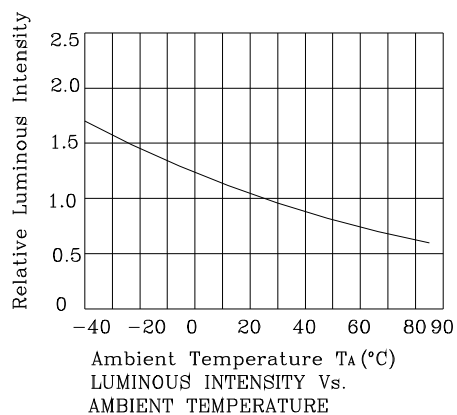
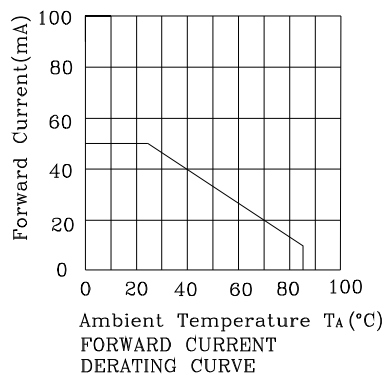
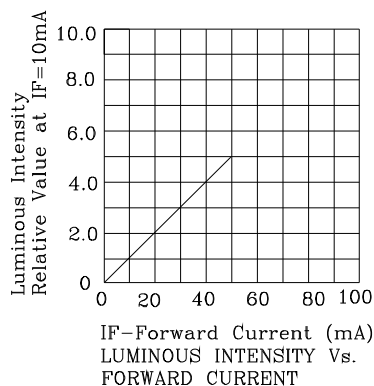
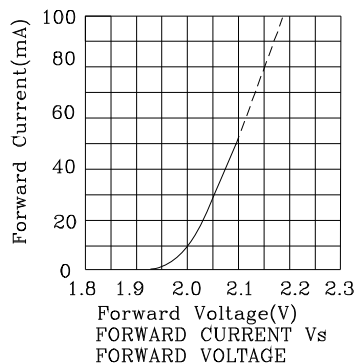
Drawing No : SDSA2290

V4

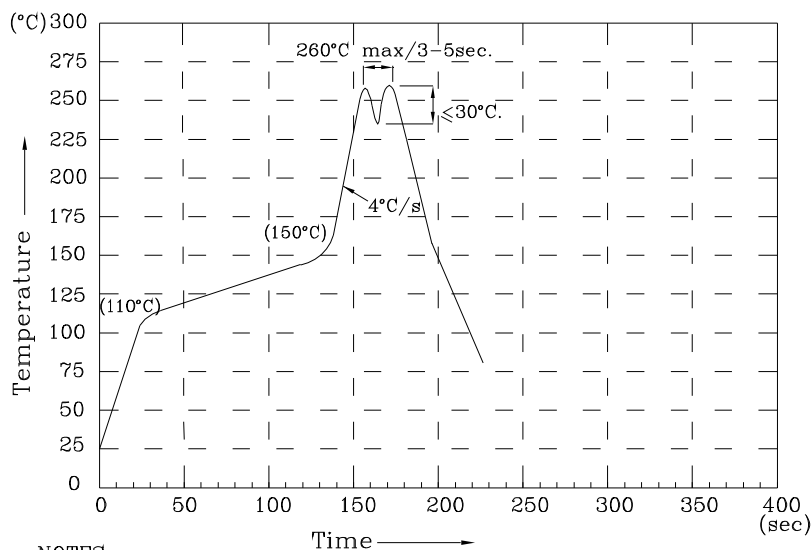
Checked : Shin Chi

P.2/5

❖ 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:

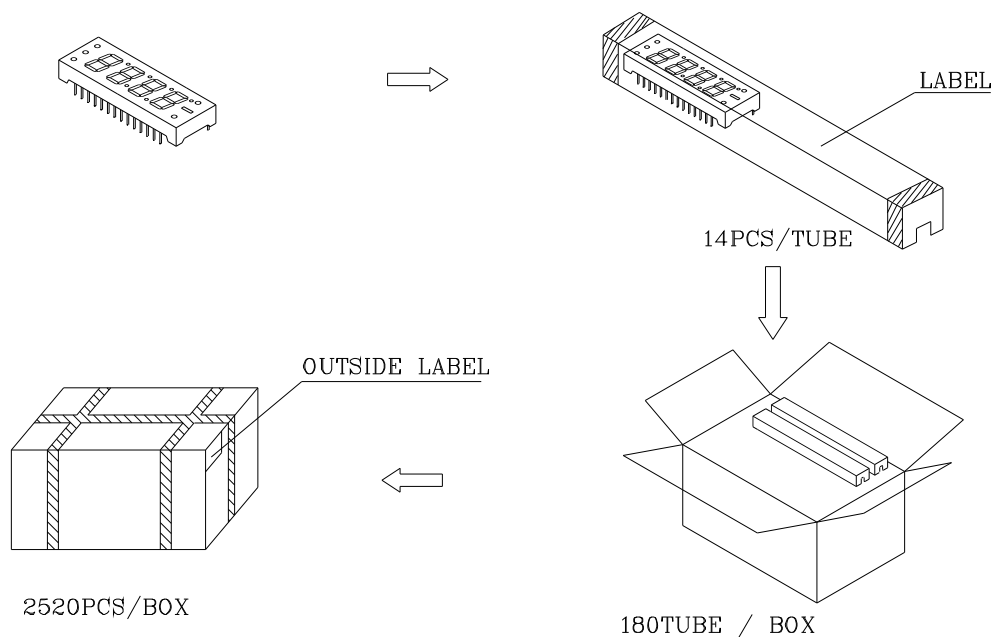
If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: $\pm 1\text{nm}$
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

DUG06C4-A



Inside LABEL Paste On The IC-tube

SunLED	PART NO: Dxx06x4-A	Q.C.
QTY: 14 PCS	CODE: xx	PASSED xx xx xx FQC
XXXXXXXX-XXXX		Date
LOT NO.		Number OF FQC
RoHS Compliant		

Outside LABEL Paste On The Box

BOX Number	XXXX	XXXX	BIN CODE
Dxx06x4-A	2520	XX	
Number OF QA			
Date			
QAX xx xx xx PASSED			