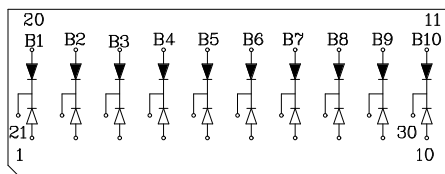
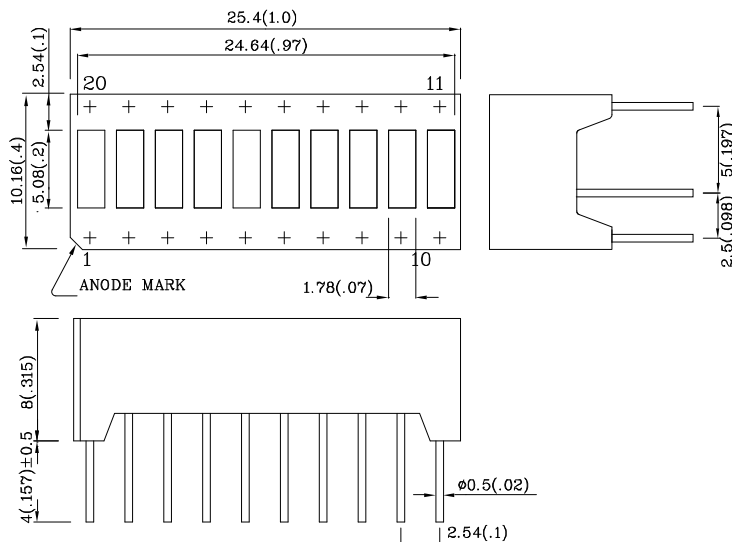


Features

- SUITABLE FOR LEVEL INDICATORS.
- LOW CURRENT OPERATION.
- EXCELLENT ON/OFF CONTRAST.
- WIDE VIEWING ANGLE.
- END STACKABLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



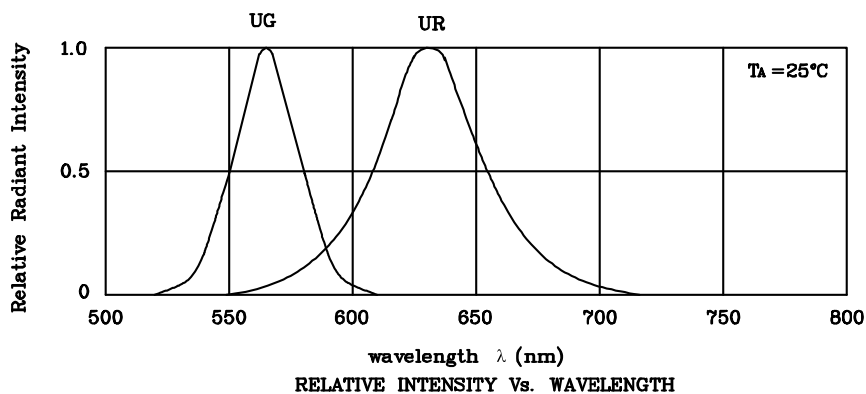
Notes:

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.

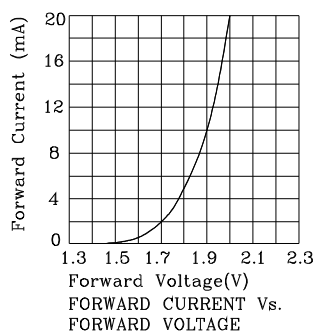
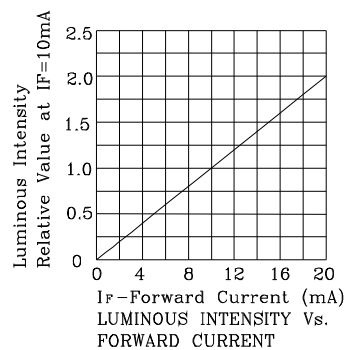
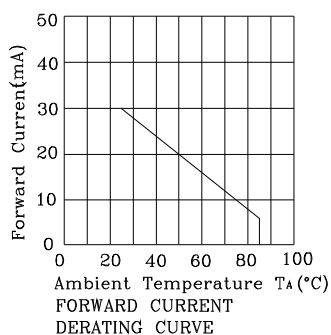
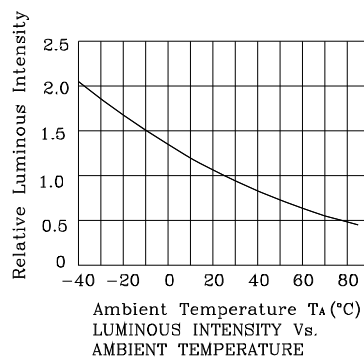
Absolute Maximum Ratings (TA=25°C)		UR (GaAsP/ GaP)	UG (GaP)	Unit
Reverse Voltage	VR	5	5	V
Forward Current	IF	30	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	160	140	mA
Power Dissipation	PT	75	62.5	mW
Operating Temperature	TA	-40 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +85		
Lead Solder Temperature [2mm Below Package Base]	260°C For 3~5 Seconds			

Operating Characteristics (TA=25°C)		UR (GaAsP/ GaP)	UG (GaP)	Unit
Forward Voltage (Typ.) (IF=10mA)	VF	1.9	2.0	V
Forward Voltage (Max.) (IF=10mA)	VF	2.5	2.5	V
Reverse Current (Max.) (VR=5V)	IR	10	10	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λP	627	565	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λD	625	568	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	$\Delta\lambda$	45	30	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	15	15	pF

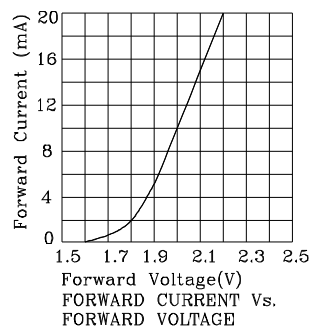
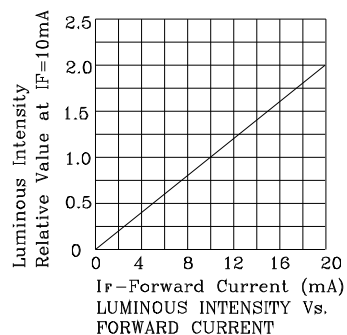
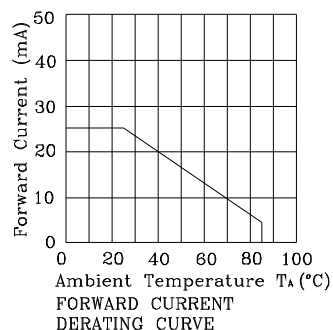
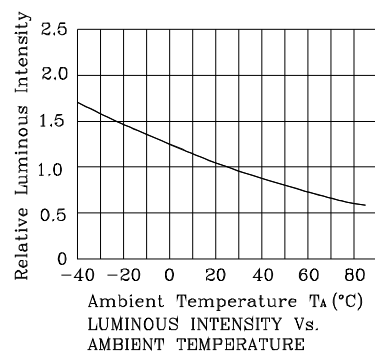
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd	Wavelength nm λ P	Description
			min.	typ.	
GURUGX10D	Red	GaAsP/GaP	1900	8990	10 Segments Bargraph-Display
	Green	GaP	1900	9490	
Published Date : MAR 11,2008		Drawing No : SDSA3715	V4	Checked : Shin Chi	P.1/5



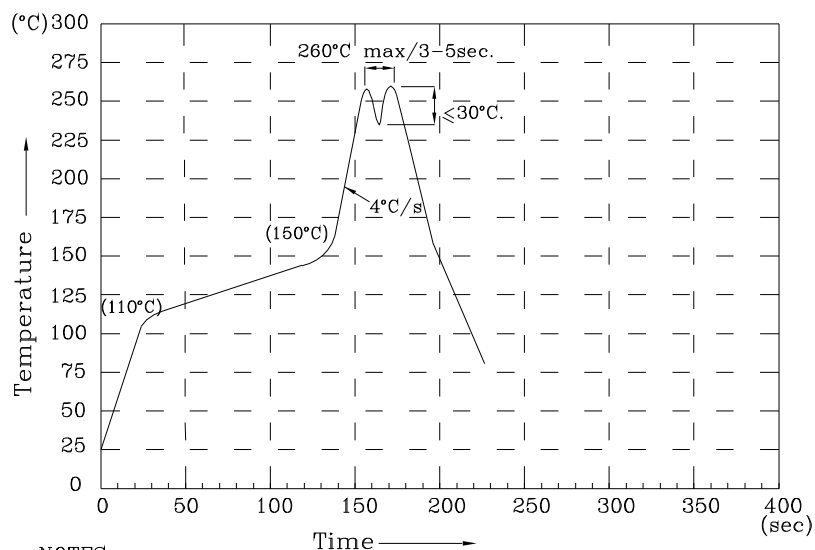
❖ UR



❖ 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:

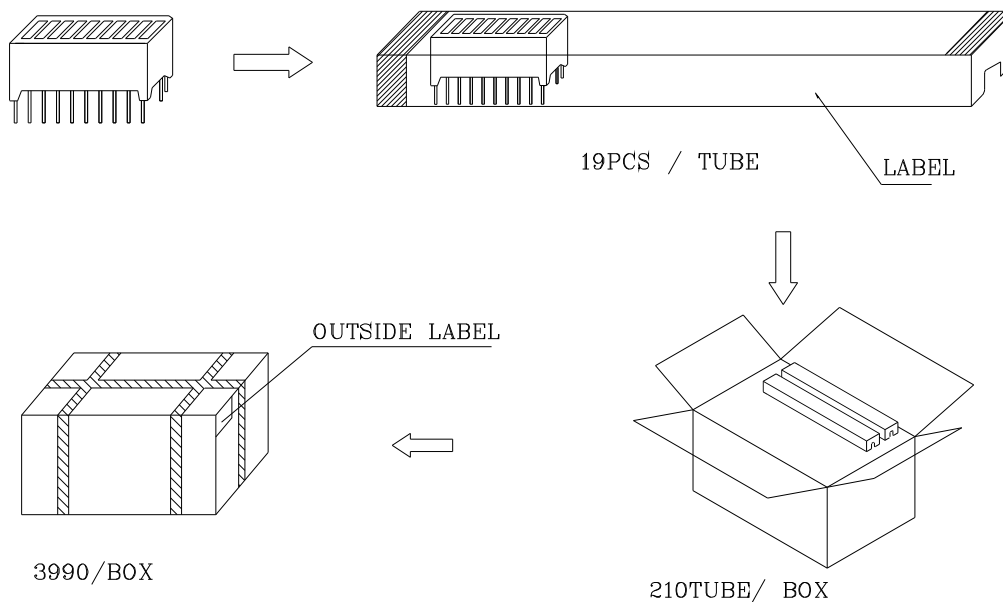
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

GURUGX10D



Inside LABEL Paste On The IC-tube

SunLED	PART NO: GxxX10D	Q.C.
QTY: 19 PCS	CODE: xx	PASSBD xx xx xx FQCX
XXXXXXXX-XXXX		RoHS Compliant
LOT NO.		Date Number OF FQC

Outside LABEL Paste On The Box

BOX Number	xxxx	XXXX	BIN CODE
GxxX10D	3990	XX	
Number OF QA			Date
<div> <div>QAx</div> <div>xx xx xx</div> <div>PASSED</div> </div>			