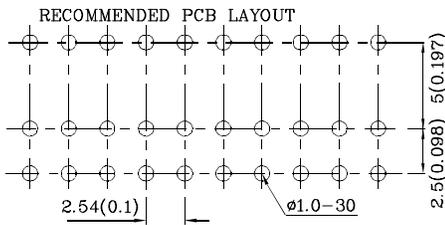
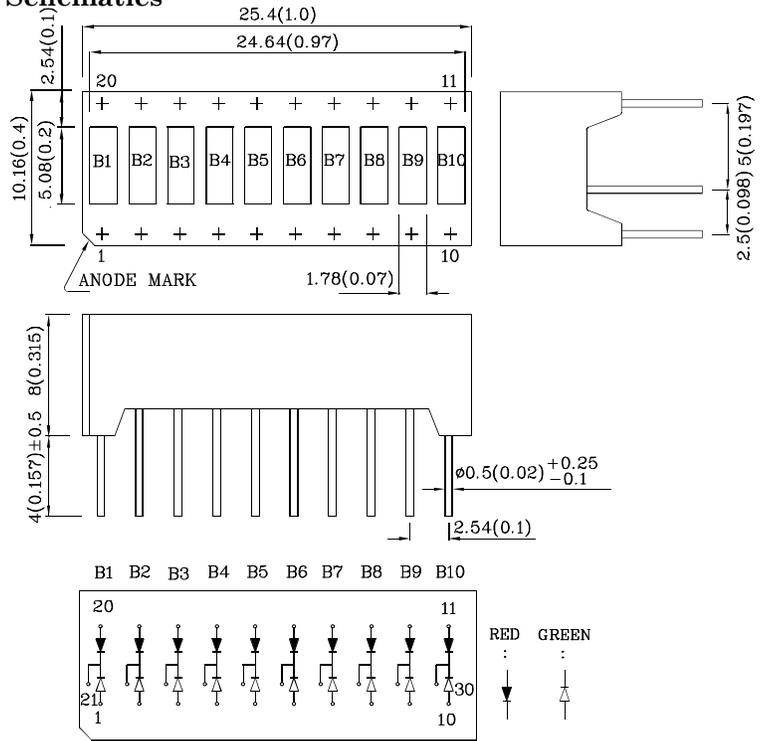


Features

- Robust package
- Uniform light disbursement
- Ideal for backlighting logos or icons
- Excellent for flush mounting
- Standard configuration: Gray face w/ white segments
- RoHS compliant



Package Schematics



Notes:

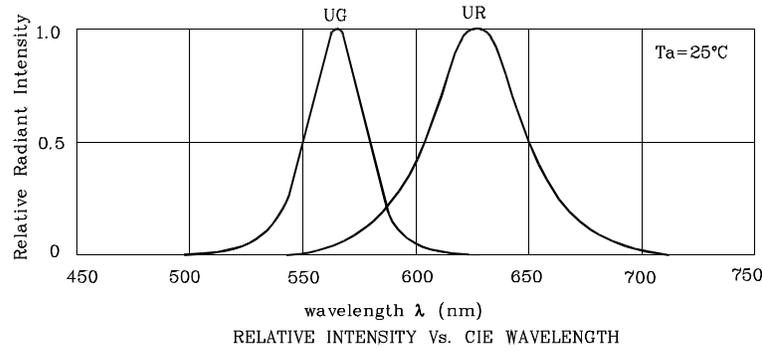
1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
2. Specifications are subject to change without notice.

Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)		UR (GaAsP/ GaP)	UG (GaP)	Unit
Reverse Voltage	V_R	5	5	V
Forward Current	I_F	30	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i_{FS}	160	140	mA
Power Dissipation	P_D	75	62.5	mW
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			

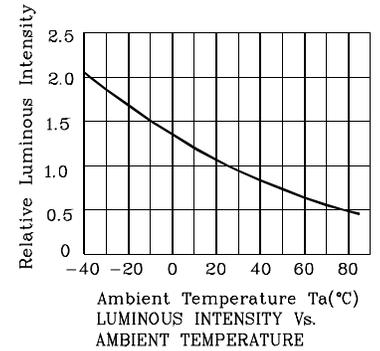
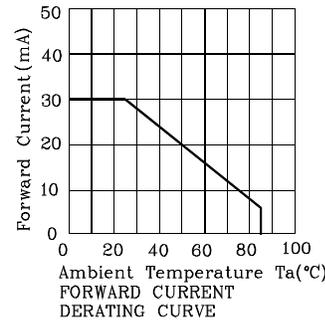
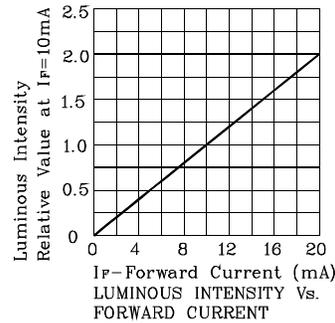
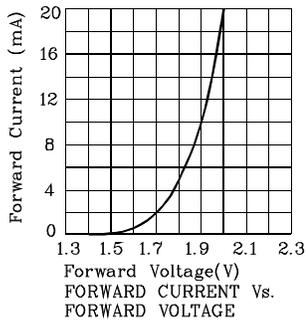
Operating Characteristics ($T_A=25^\circ\text{C}$)		UR (GaAsP/ GaP)	UG (GaP)	Unit
Forward Voltage (Typ.) ($I_F=10\text{mA}$)	V_F	1.9	2	V
Forward Voltage (Max.) ($I_F=10\text{mA}$)	V_F	2.5	2.5	V
Reverse Current (Max.) ($V_R=5\text{V}$)	I_R	10	10	μA
Wavelength of Peak Emission CIE127-2007* (Typ.)	λ_P	627*	565*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.)	λ_D	617*	568*	nm
Spectral Line Full Width At Half-Maximum (Typ.) ($I_F=10\text{mA}$)	$\Delta\lambda$	45	30	nm
Capacitance (Typ.) ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	15	15	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity CIE127-2007* ($I_F=10\text{mA}$) ucd		Wavelength CIE127-2007* nm λ_P	Description
			min.	typ.		
XGURUGX10D	Red	GaAsP/GaP	3600 900*	8990 1990*	627*	10 Segments Bar graph-Display
	Green	GaP	5600 1400*	11990 3990*	565*	

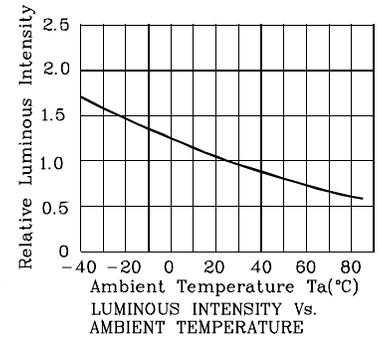
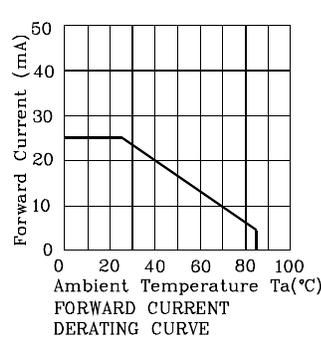
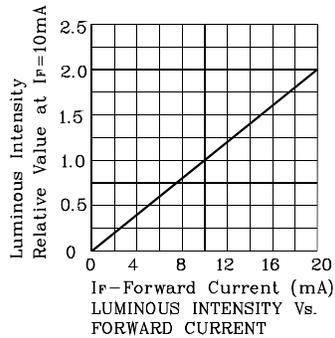
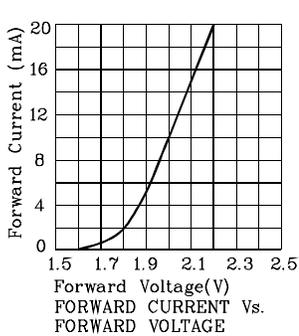
*Luminous intensity value and wavelength are in accordance with CIE127-2007



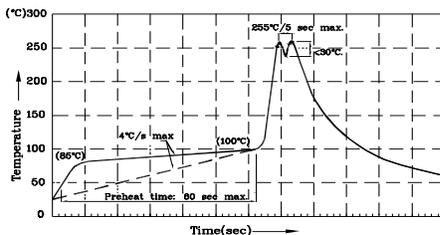
❖ UR



❖ UG



Wave Soldering Profile for Thru-Hole Products (Pb-Free Components)



- Notes:
1. Recommend pre-heat temperature of 105°C or less (as measured with a thermocouple attached to the LED pins) prior to immersion in the solder wave with a maximum solder bath temperature of 260°C.
 2. Peak wave soldering temperature between 245°C ~ 255°C for 3 sec (5 sec max).
 3. Do not apply stress to the epoxy resin while the temperature is above 85°C.
 4. Fixtures should not incur stress on the component when mounting and during soldering process.
 5. SAC 305 solder alloy is recommended.
 6. No more than one wave soldering pass.

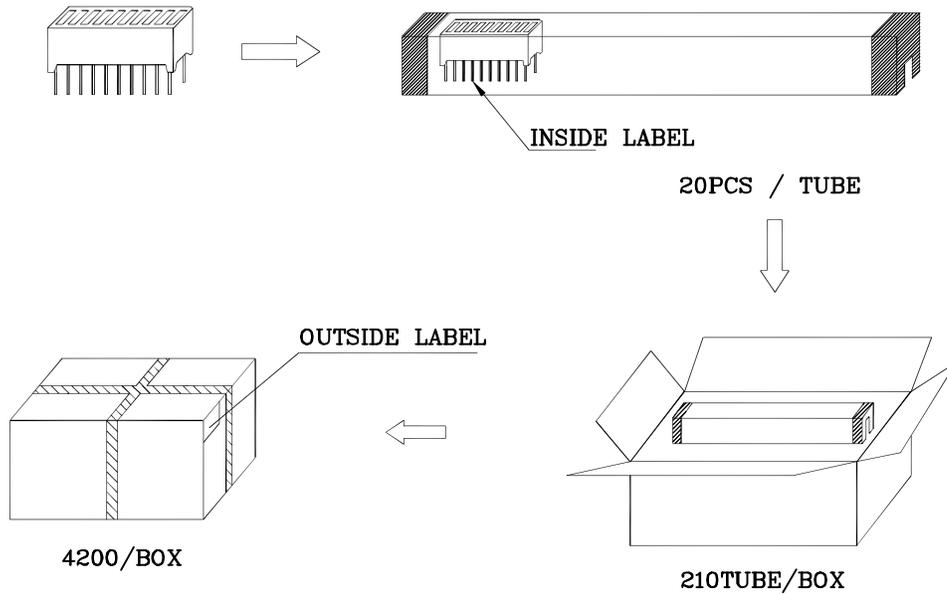
Remarks:

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:

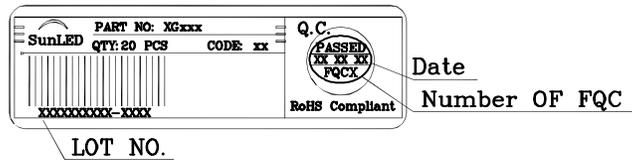
1. Wavelength: +/-1nm
2. Luminous Intensity / Luminous Flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

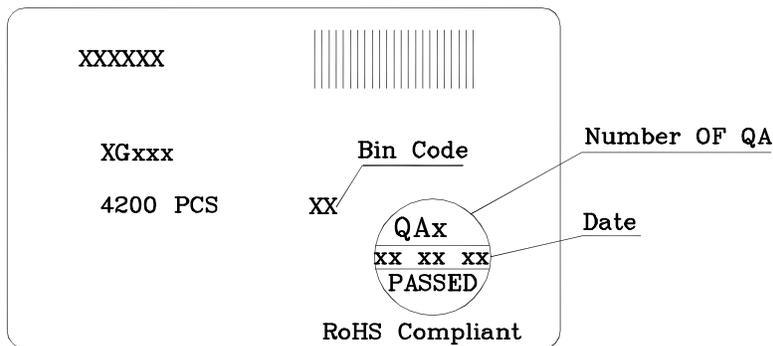
PACKING & LABEL SPECIFICATIONS



Inside Label On IC-tube



Outside Label On Box



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2. Contents within this document are subject to improvement and enhancement changes without notice.
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