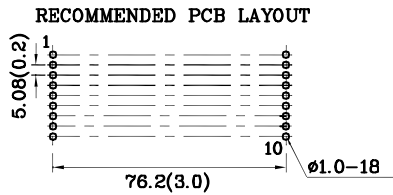
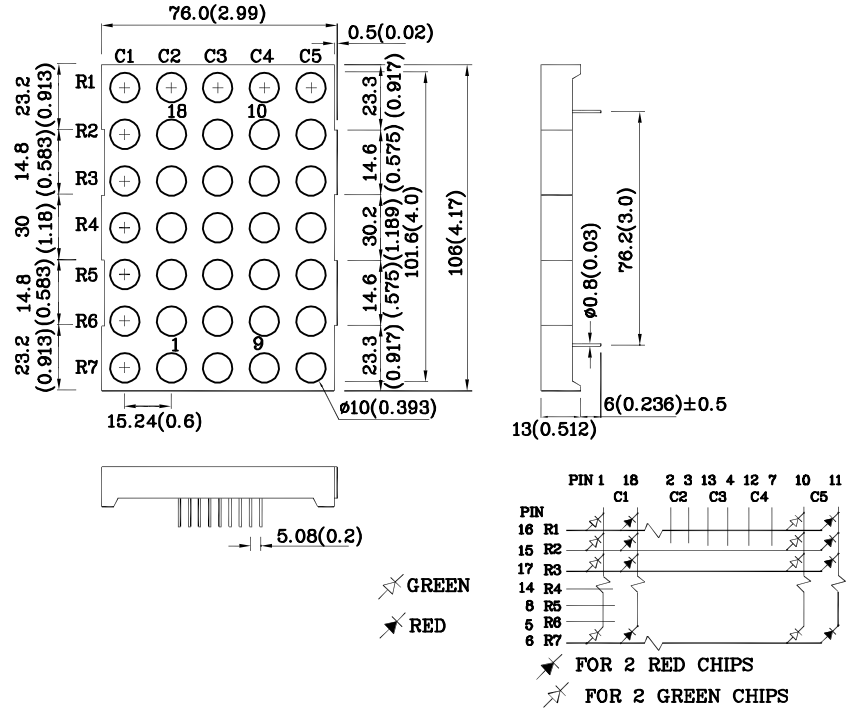


Features

- Low power consumption
- Robust package
- I.C. Compatible
- Standard configuration: Gray face w/ white dots
- Optional black face provides superior color contrast
- RoHS Compliant



Package Schematics



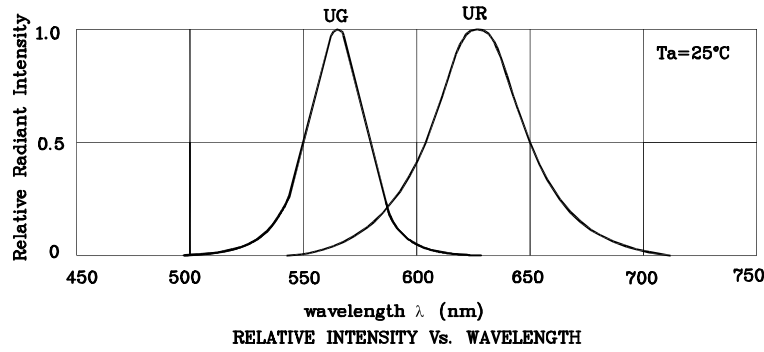
Notes:

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

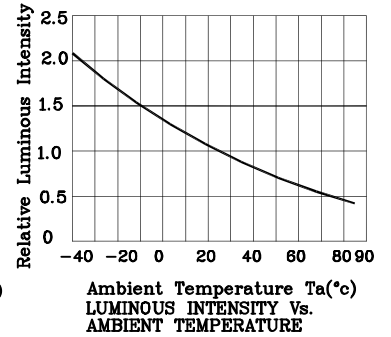
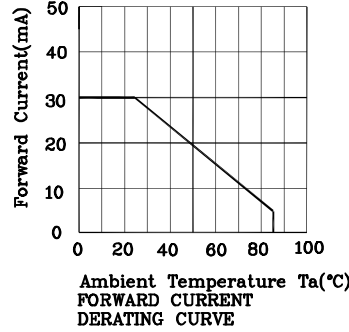
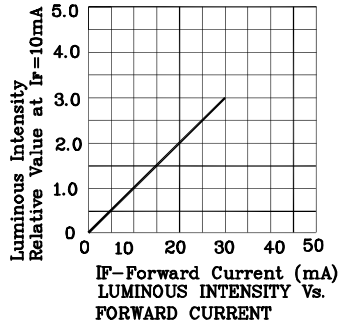
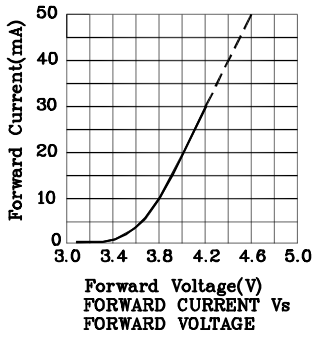
Absolute Maximum Ratings (T _A =25°C)		UR (GaAsP/ GaP)	UG (GaP)	Unit
Reverse Voltage Per Segment or (Dp and Comma)	V _R	5	5	V
Forward Current Per Segment or (Dp and Comma)	I _F	30	25	mA
Forward Current (Peak) Per Segment or (Dp and Comma) 1/10Duty Cycle 0.1ms Pulse Width	i _{FS}	160	140	mA
Power Dissipation Per Segment or (Dp and Comma)	P _D	150	125	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°C)		UR (GaAsP/GaP)	UG (GaP)	Unit
Forward Voltage (Typ.) Per Segment or (Dp and Comma) (I _F =10mA)	V _F	3.8	4	V
Forward Voltage (Max.) Per Segment or (Dp and Comma) (I _F =10mA)	V _F	5	5	V
Reverse Current (Max.) (V _R =5V)	I _R	10	10	uA
Wavelength of Peak Emission (Typ.) (I _F =10mA)	λ _P	627	565	nm
Wavelength of Dominant Emission (Typ.) (I _F =10mA)	λ _D	625	568	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA)	Δλ	45	30	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	15	15	pF

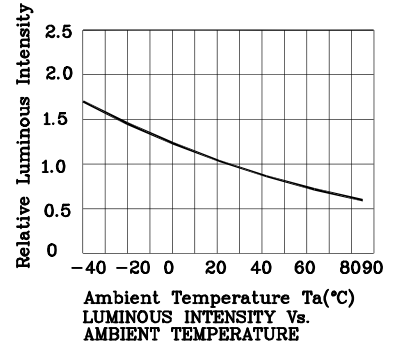
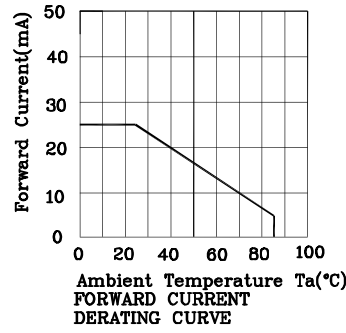
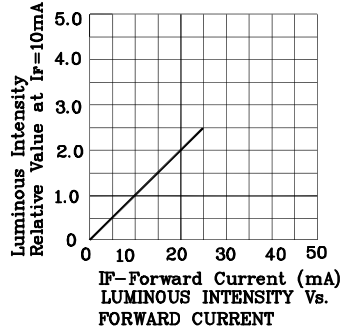
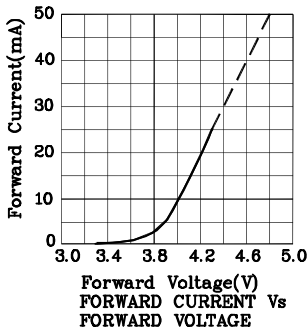
Part Number	Emitting Color	Emitting Material	Luminous Intensity (I _F =10mA) ucd		Wavelength nm λ _P	Description
			min.	typ.		
XMURG100C	Red	GaAsP/GaP	14000	25990	627	Column Cathode
	Green	GaP	21000	41990	565	



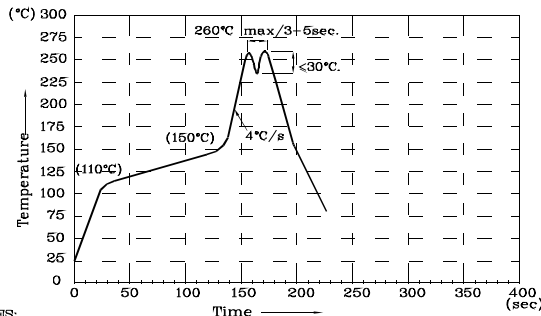
❖ UR



❖ UG



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



- 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. During wave soldering, the PCB top-surface temperature should be kept below 105°C .
 5. No more than once.

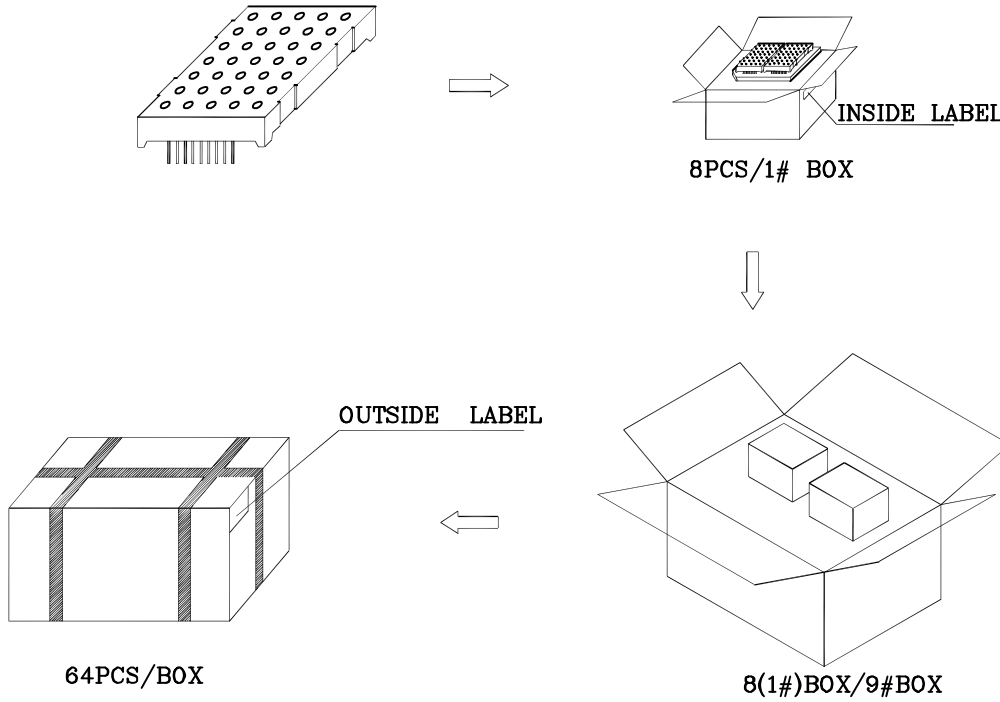
Remarks:

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:

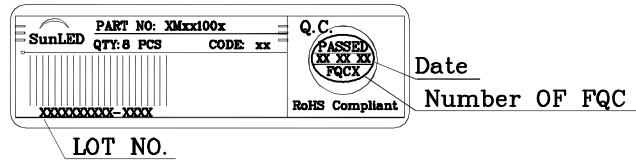
1. Wavelength: $\pm 1\text{nm}$
2. Luminous Intensity / Luminous Flux: $\pm 15\%$
3. Forward Voltage: $\pm 0.1\text{V}$

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS



Inside Label on 8(1#)Box



Outside Label on Box

