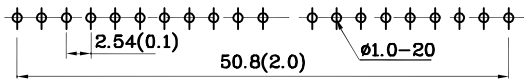


Features

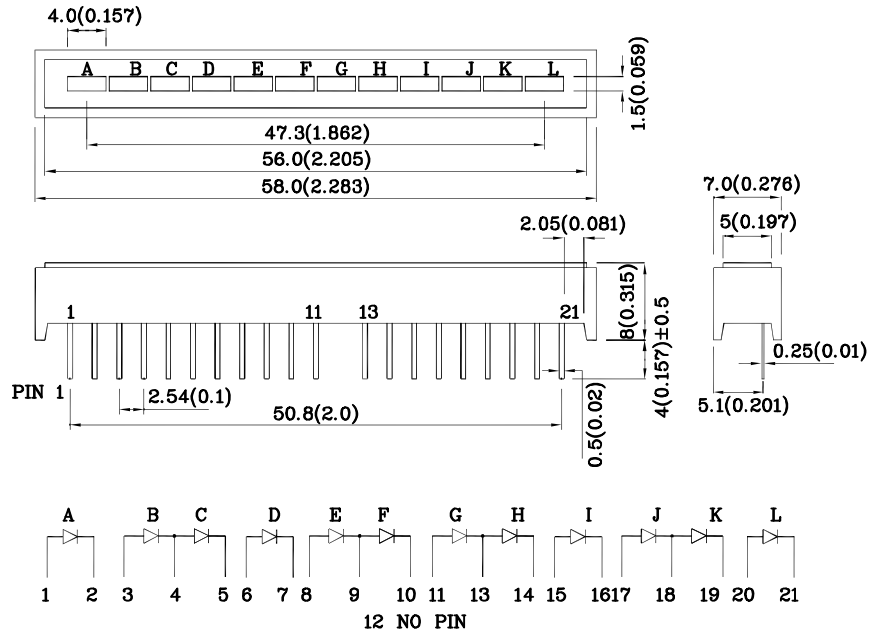
- Robust package
- Uniform light disbursement
- Ideal for backlighting logos or icons
- Excellent for flush mounting
- Configuration: Black face w/ white segments
- RoHS compliant



RECOMMENDED PCB LAYOUT



Package Schematics



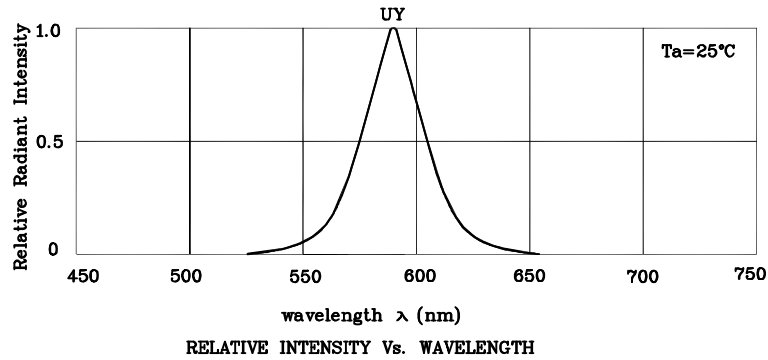
Notes:

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

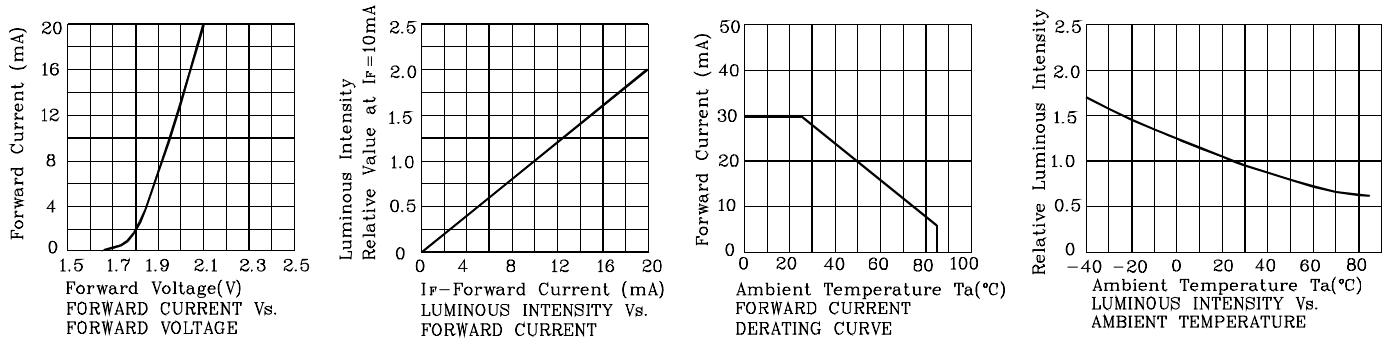
Absolute Maximum Ratings (T _A =25°C)		UY (GaAsP/GaP)	Unit
Reverse Voltage	V _R	5	V
Forward Current	I _F	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i _{FS}	140	mA
Power Dissipation	P _D	75	mW
Operating Temperature	T _A	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3-5 Seconds		

Operating Characteristics (T _A =25°C)		UY (GaAsP/GaP)	Unit
Forward Voltage (Typ.) (I _F =10mA)	V _F	1.95	V
Forward Voltage (Max.) (I _F =10mA)	V _F	2.5	V
Reverse Current (Max.) (V _R =5V)	I _R	10	uA
Wavelength of Peak Emission (Typ.) (I _F =10mA)	λ _P	590	nm
Wavelength of Dominant Emission (Typ.) (I _F =10mA)	λ _D	588	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA)	Δλ	35	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	20	pF

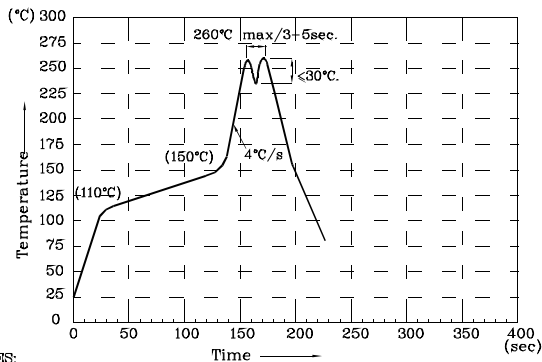
Part Number	Emitting Color	Emitting Material	Luminous Intensity (I _F =10mA) ucd		Wavelength nm λP	Description
			min.	typ.		
XHUYX12DWB	Yellow	GaAsP/GaP	3600	9990	590	12 Segments Bar graph-Display



❖ UY



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



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°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.

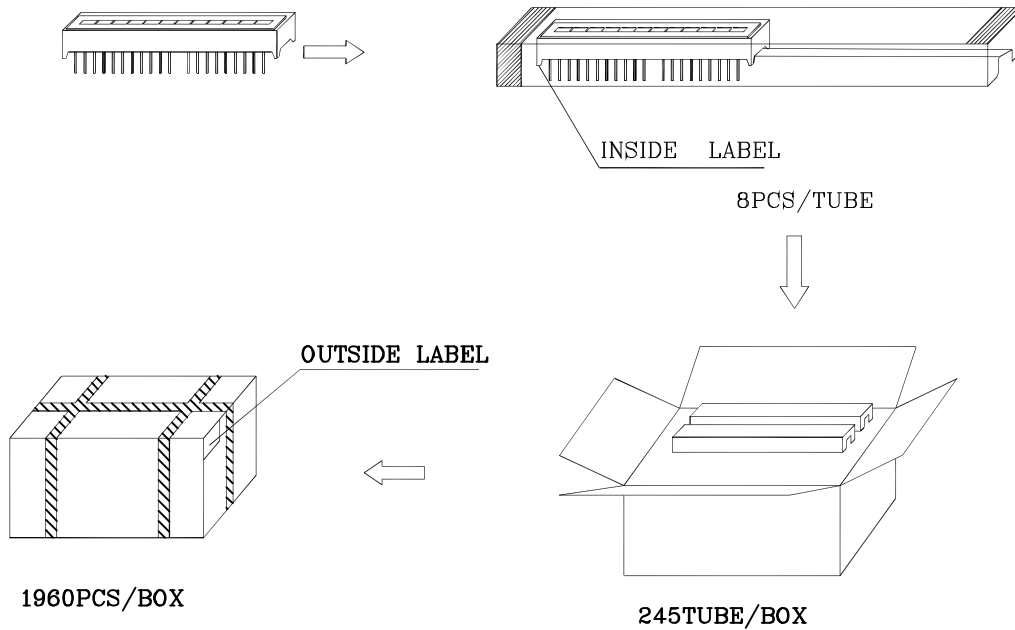
Remarks:

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 IC-tube

SunLED	PART NO: XHxxx	Q.C.
qty: 8 PCS	CODE: xx	PASSED XX XX XX FQC
XXXXXXXX-XXXX		RoHS Compliant

LOT NO.

Date

Number OF FQC

Outside Label On Box

XXXXXX	Bin Code		Number OF QA
XHxxx	XX	QAx	Date
1960 PCS	XX	xx xx xx PASSED	
RoHS Compliant			