



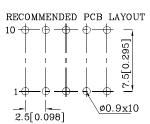
BAR GRAPH 5 SEGMENT

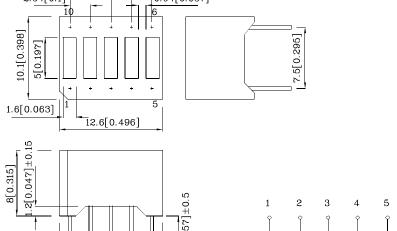
Features

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









<u>ø0.45[</u>0.018]+0.25

10

Notes:

1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.

2.5[0.098] 12.6[0.496]

Package Schematics

Absolute Maximum Ratings $(T_A=25^{\circ}C)$		Red (GaAsP/GaP)	Unit	
Reverse Voltage	$V_{\rm R}$	5	V	
Forward Current	I_{F}	30	mA	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	ifs	160	mA	
Power Dissipation	P_D	75	mW	
Operating Temperature	T_{A}	-40 ~ +85	°C	
Storage Temperature	Tstg	-40 ~ +85		
Lead Solder Temperature [2mm Below Package Base]	260°C For 3-5 Seconds			

A Relative Humidity between 40% and 60% is recommended in ESD-protected work areas to reduce static build up during assembly process (Reference JEDEC/JESD625-A and JEDEC/J-STD-033)

Operating Characteristics (T _A =25°C)		Red (GaAsP/GaP)	Unit
Forward Voltage (Typ.) (I _F =10mA)	V_{F}	1.9	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 CIE127-2007* (Typ.) (I _F =10mA)	λР	627*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) $(I_F=10\text{mA})$	λD	617*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA)	Δλ	45	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	С	15	pF

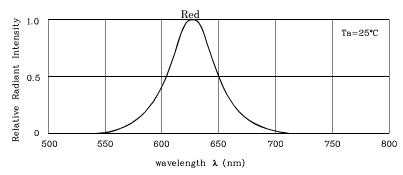
Part Number	Emitting Color	Emitting Material	Luminous Intensity CIE127-2007* $(I_F=10\text{mA})$ ucd		Wavelength CIE127-2007* nm λP	Description
			min.	typ.		
XGURX5D	Red	GaAsP/GaP	3600 900*	8990 1990*	627*	5 Segment Bar graph-Display

^{*}Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

Oct 17,2016

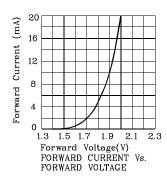


BAR GRAPH 5 SEGMENT

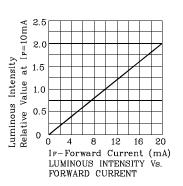


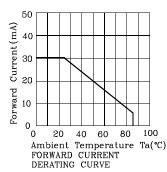
RELATIVE INTENSITY Vs. CIE WAVELENGTH

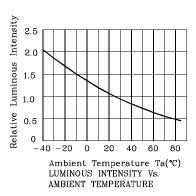
❖ Red



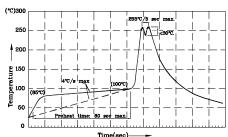
www.SunLEDusa.com







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 280°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. Pixtures should not incur stress on the component when mounting and during soldering process.

 5.8AC 305 solder aloy is recommended.

 6. No more than one wave soldering pass.

 7. During wave soldering, the PCB top-surface temperature should be kept below 105°C.

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:

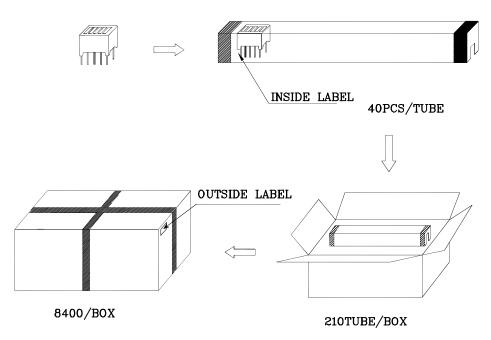
- 1. Wavelength: +/-1nm
- 2. Luminous Intensity / Luminous Flux: +/-15%
- 3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

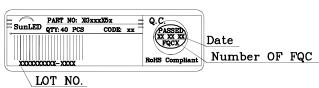




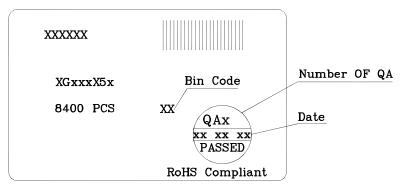
PACKING & LABEL SPECIFICATIONS



Inside Label On IC-tube



Outside Label On Box



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