Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

SunLED XGUYX20D

For any questions, you can email us directly: sales@integrated-circuit.com



Distributor of SunLED: Excellent Integrated System Limited

Datasheet of XGUYX20D - BAR GRAPH ARRAY 20-SEG YELLOW

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



Part Number: XGUYX20D

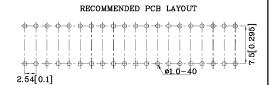
20 SEGMENTS BAR GRAPH ARRAY

Features

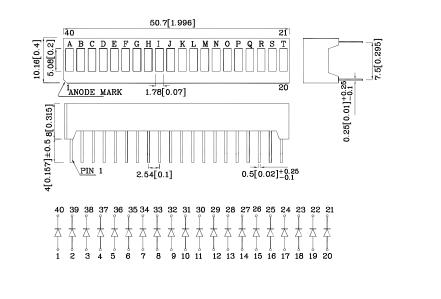
- Robust package
- Uniform light disbursement
- Ideal for backlighting logos or icons
- Excellent for flush mounting
- \bullet Standard configuration: Gray face w/ white segments
- RoHS Compliant







Package Schematics



Notes:

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

Wavelength

 $2. \ {\rm Specifications}$ are subject to change without notice.

Absolute Maximum Ratings (T _A =25°C)	UY (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	140	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			

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 CIE127-2007* (Typ.) (I _F =10mA)	λР	590*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) (I _F =10mA)	λD	588*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA)	Δλ	35	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	С	20	pF

Part Number	Color	Emitting Material	CIE127-2007* (I _F =10mA) ucd		CIE127-2007* nm λP	Description
			min.	typ.		
XGUYX20D	Yellow	GaAsP/GaP	2200 900*	8990 2390*	590*	20 Segments Bar graph-Display

Luminous Intensity

XDSA1923 V8-X Layout: Maggie L.

^{*}Luminous intensity value and wavelength are in accordance with CIE127-2007 Mar $05{,}2014$



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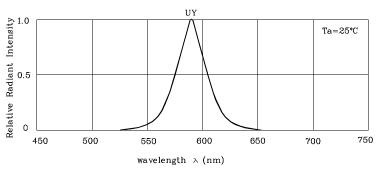
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Part Number: XGUYX20D

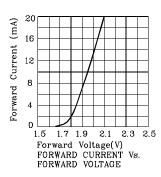
20 SEGMENTS BAR GRAPH ARRAY

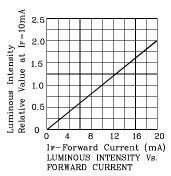


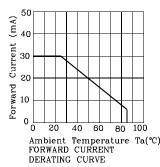


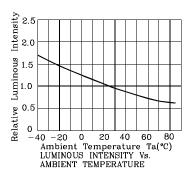
RELATIVE INTENSITY Vs. CIE WAVELENGTH

♦ UY

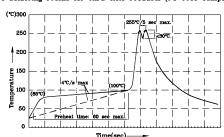








Wave Soldering Profile for Thru-Hole Products (Pb-Free Components)



- max).
 3.Do not apply stress to the epoxy resin while the temperature is above
 4.Fixtures should not incur stress on the component when mounting and
 during soldering process.
 5.3AC 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

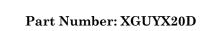
Note: Accuracy may depend on the sorting parameters.



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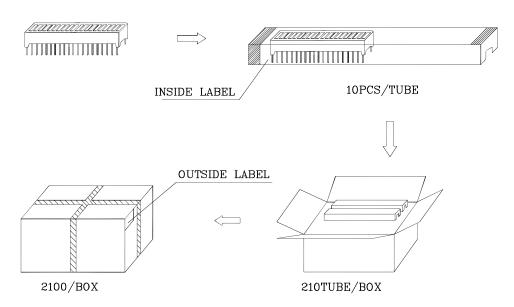


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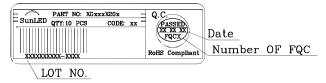


PACKING & LABEL SPECIFICATIONS

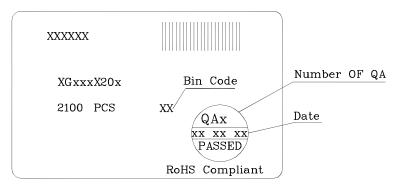
www.SunLEDusa.com



Inside Label On IC-tube



Outside Label On Box



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Mar 05,2014