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Part Number: XAUG20A

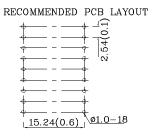
 $20.32 \mathrm{mm} \; (0.8") \; 16 \; \mathrm{SEGMENT} \; \mathrm{SINGLE} \; \mathrm{DIGIT}$ $\mathrm{ALPHANUMERIC} \; \mathrm{DISPLAY}$

Features

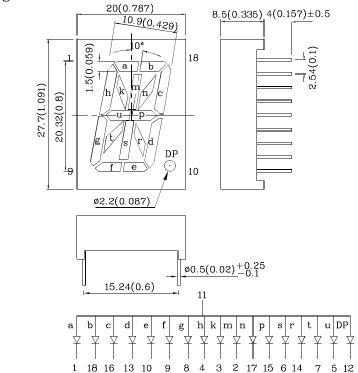
- Low power consumption
- ullet Robust package
- I.C. Compatible
- Standard configuration: Gray face w/ white segments
- Optional black face provides superior color contrast
- RoHS Compliant







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°C)		UG (GaP)	Unit	
Reverse Voltage	V_{R}	5	V	
Forward Current	I_{F}	25	mA	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	ifs	140	mA	
Power Dissipation	P_{D}	62.5	mW	
Operating Temperature	$T_{\rm A}$	-40 ~ +85	°C	
Storage Temperature	Tstg	-40 ~ +85	-0	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3-5 Seconds			

Operating Characteristics (T _A =25°C)		UG (GaP)	Unit
Forward Voltage (Typ.) (I _F =10mA)	V_{F}	2	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)	λΡ	565*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) (I _F =10mA)	λD	568*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA)	$\triangle \lambda$	30	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	С	15	pF

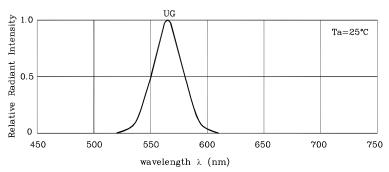
Part Number	Emitting Color	8	Luminous Into CIE127-200 $(I_F=10\text{mA})$	07* CIE127-2007*	Description
			min.	typ.	
XAUG20A	Green	GaP		0990 390* 565*	Common Anode, Rt. Hand Decimal.

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

Mar 01,2014

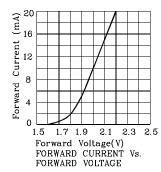
XDSA1136 V7-X Layout: Maggie L.

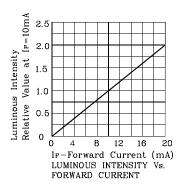
20.32mm (0.8") 16 SEGMENT SINGLE DIGIT

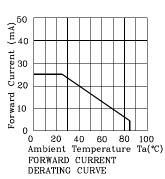


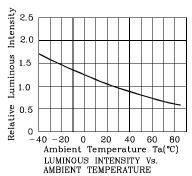
RELATIVE INTENSITY Vs. CIE WAVELENGTH

♦ UG

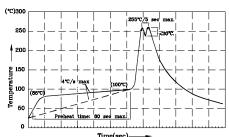








Wave Soldering Profile for Thru-Hole Products (Pb-Free Components)



- nmend pre-heat temperature of 105°C or less (as measured with a noccouple attached to the LED pins) prior to immersion in the solder with a maximum solder bath temperature of 250°C wave soldering temperature between 245°C \sim 255°C for 3 sec (5 sec
- 2.Peak wave soldering temperature betweenax).
 3.Do not apply stress to the epoxy resin (-Pixtures should not incur stress on the 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.

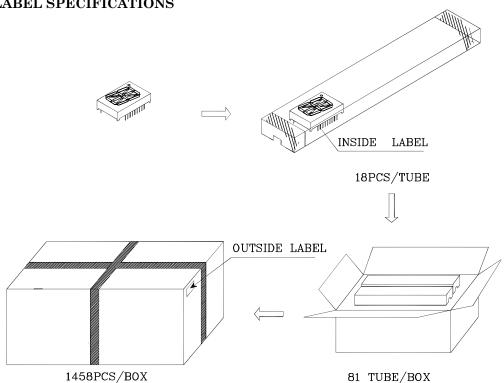


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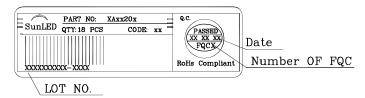
20.32mm (0.8") 16 SEGMENT SINGLE DIGIT ALPHANUMERIC DISPLAY



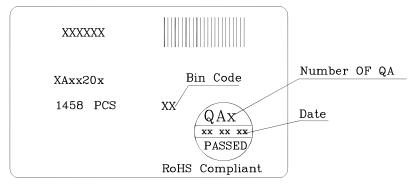
PACKING & LABEL SPECIFICATIONS



Inside Label On IC-tube



Outside Label On Box



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