

Excellent Integrated System Limited

Stocking Distributor

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SunLED XDUG06C

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



Distributor of SunLED: Excellent Integrated System Limited

Datasheet of XDUG06C - DISPLAY 8MM YELLOW 1DIGIT CC

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

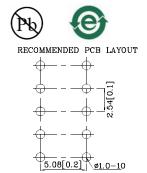


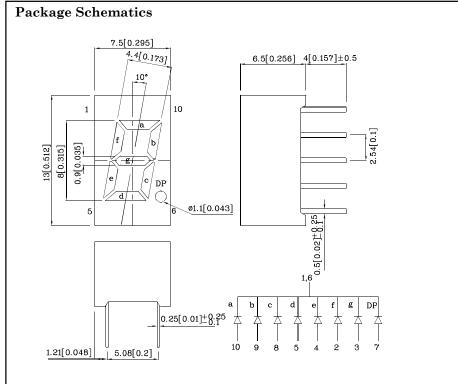
Part Number: XDUG06C

8mm (0.32") SINGLE DIGIT NUMERIC DISPLAY

Features

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





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 $(T_A=25^{\circ}C)$		UG (GaP)	Unit
Reverse Voltage	$V_{\rm R}$	5	V
Forward Current	I_{F}	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	$i_{\rm FS}$	140	mA
Power Dissipation	P_{D}	62.5	mW
Operating Temperature	$T_{\rm A}$	-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)	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	λΡ 565*	
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)	C	15	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity CIE127-2007* (I _F =10mA) ucd		Wavelength CIE127-2007* nm λP	Description
			min.	typ.		
XDUG06C	Green	GaP		7090 2490*	565*	Common Cathode, Rt.Hand Decimal.

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

Jan 16,2014



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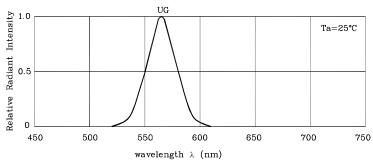
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Part Number: XDUG06C

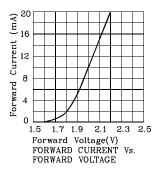
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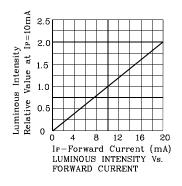


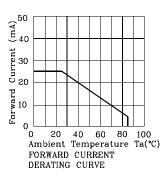


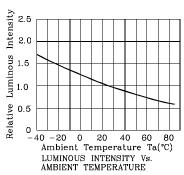
RELATIVE INTENSITY Vs. CIE WAVELENGTH

♦ UG

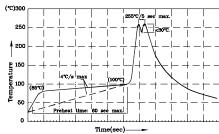








Wave Soldering Profile for Thru-Hole Products (Pb-Free Components)



- 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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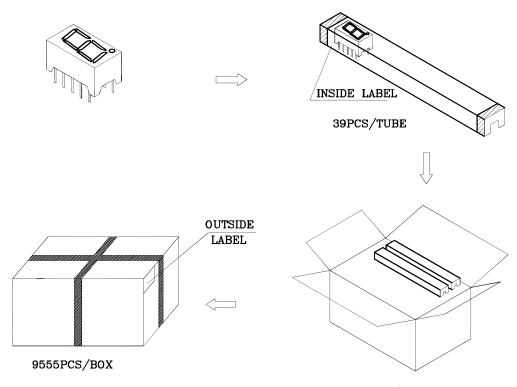
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PACKING & LABEL SPECIFICATIONS

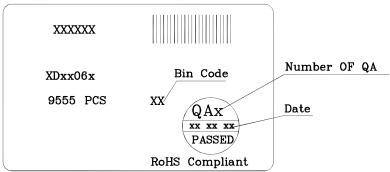


245TUBE/BOX

Inside Label On IC-tube



Outside Label On Box



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XDSA0132 V9-X Layout: Maggie L.