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Stocking Distributor

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SunLED XDUR08C

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



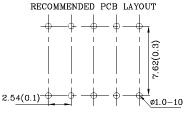
Features

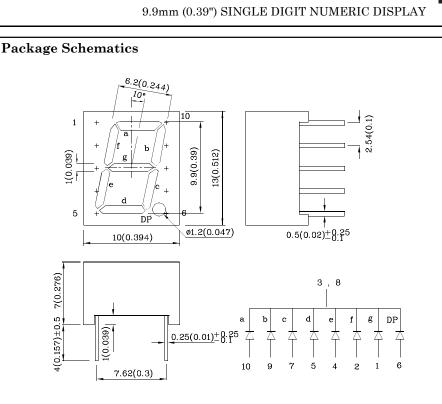
- Low power consumption
- Robust package
- I.C. Compatible
- Standard configuration: Gray face w/ white

segments

- Optional black face provides superior color contrast
- RoHS Compliant







Part Number: XDUR08C

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)		UR (GaAsP/GaP)	Unit	
Reverse Voltage	V_{R}	5	V	
Forward Current	$\mathbf{I}_{\mathbf{F}}$	30	mA	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	ifs	160	mA	
Power Dissipation	\mathbf{P}_{D}	75	mW	
Operating Temperature	$T_{\rm A}$	$\text{-}40 \sim \text{+}85$	°C	
Storage Temperature	Tstg	$-40 \sim +85$		
Lead Solder Temperature [2mm Below Package Base]	260°C For 3-5 Seconds			

Operating Characteristics (T _A =25°C)	UR (GaAsP/GaP)	Unit	
Forward Voltage (Typ.) (I _F =10mA)	$V_{\rm F}$	1.9	V
Forward Voltage (Max.) (I _F =10mA)	$V_{\rm F}$	2.5	V
Reverse Current (Max.) (V _R =5V)	I_R	10	uA
Wavelength of Peak Emission CIE127-2007* (Typ.) (I _F =10mA)	λP	627*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) (I _F =10mA)	λD	617*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA)	$ riangle\lambda$	$ ilde{} \Delta \lambda$ 45	
Capacitance (Typ.) (V _F =0V, f=1MHz)	С	15	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity CIE127-2007* (I _F =10mA) ucd		Wavelength CIE127-2007* nm λP	Description
			min.	typ.		
XDUR08C	Red	GaAsP/GaP	1400 560*	4090 1090*	627*	Common Cathode, Rt.Hand Decimal.

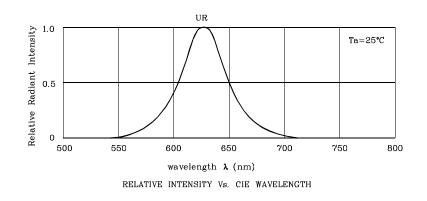
*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards. Jan 16,2014

XDSA0137 V7-X Layout: Maggie L.

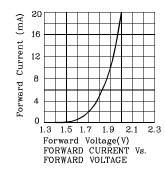


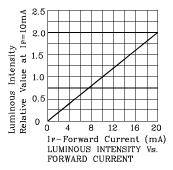
Part Number: XDUR08C

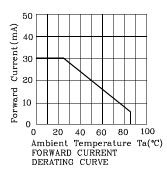
9.9mm (0.39") SINGLE DIGIT NUMERIC DISPLAY

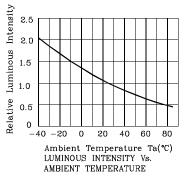


♦ UR

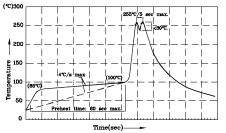








Wave Soldering Profile for Thru-Hole Products (Pb-Free Components)



temperature of 10 to the LED pins) solder bath temp of 105°C or pins) prior ss (as with C for 3 sec (5

maz). 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.SAC 305 solder alloy is recommended. 6.No more than one wave soldering pass.

Remarks:

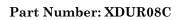
If special sorting is required (e.g. binning based on forward voltage,

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

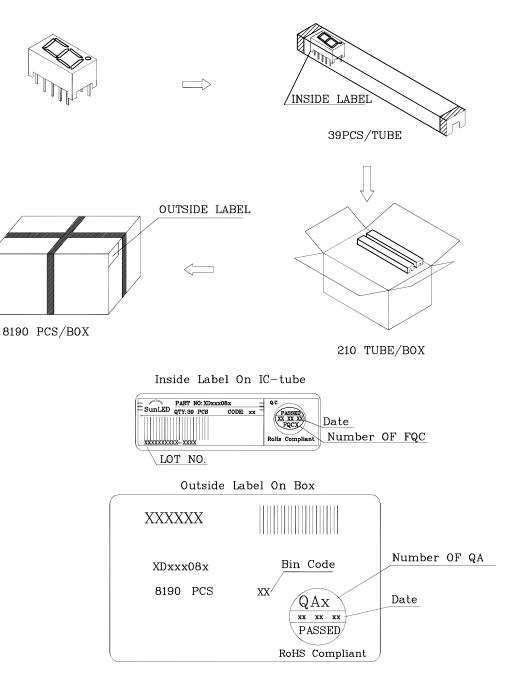
Note: Accuracy may depend on the sorting parameters.





9.9mm (0.39") SINGLE DIGIT NUMERIC DISPLAY

PACKING & LABEL SPECIFICATIONS



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Jan 16,2014