

Part Number: XMUR18C

18mm (0.7 ") SINGLE COLOR DOT MATRIX DISPLAY

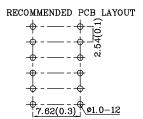


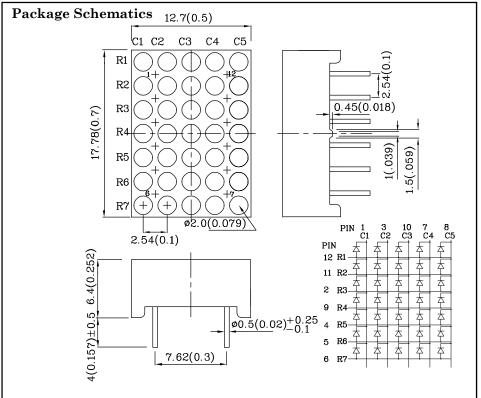
Features

- Low power consumption
- ullet Robust package
- I.C. Compatible
- Standard configuration: Gray face w/ white dots
- \bullet 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°C)		UR (GaAsP/GaP)	Unit	
Reverse Voltage	V_{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	-0	
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_{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)	λΡ	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)	$\triangle \lambda$	45	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	С	15	pF

Part Number	Emitting Color	Emitting Material	CIE127-2007* (I _F =10mA) ucd		Wavelength CIE127-2007* nm λP	Description
			min.	typ.		
XMUR18C	Red	GaAsP/GaP	3600 1400*	8190 2490*	627*	Column Cathode

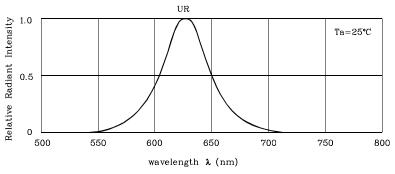
 $[\]hbox{*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.}$

Mar 04,2014

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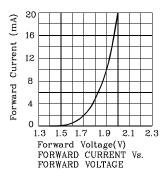
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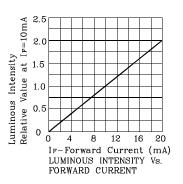


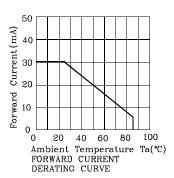


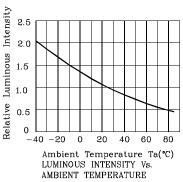
RELATIVE INTENSITY Vs. CIE WAVELENGTH

❖ UR

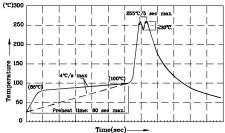








Wave Soldering Profile for Thru-Hole Products (Pb-Free Components)



- 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

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:

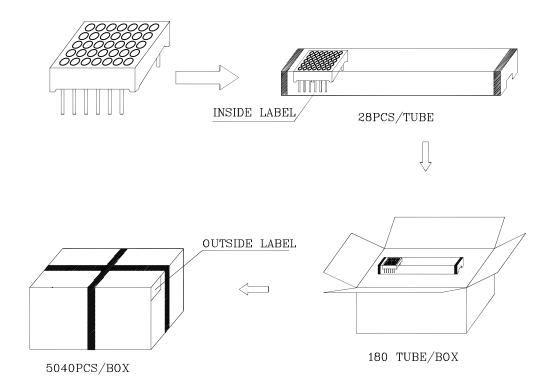
- 1. Wavelength: +/-1nm
- 2. Luminous Intensity / Luminous Flux: +/-15%
- 3. Forward Voltage: +/-0.1V

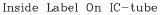
Note: Accuracy may depend on the sorting parameters.

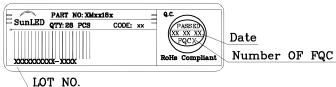
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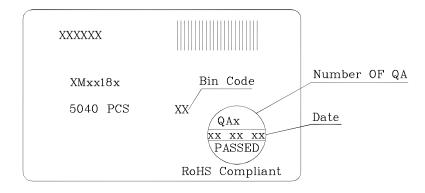
PACKING & LABEL SPECIFICATIONS







Outside Label On Box



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- 2. Contents within this document are subject to improvement and enhancement changes without notice.
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