



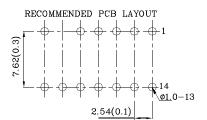
 $7.62\mathrm{mm}$ (0.3 ") SINGLE COLOR DOT MATRIX DISPLAY

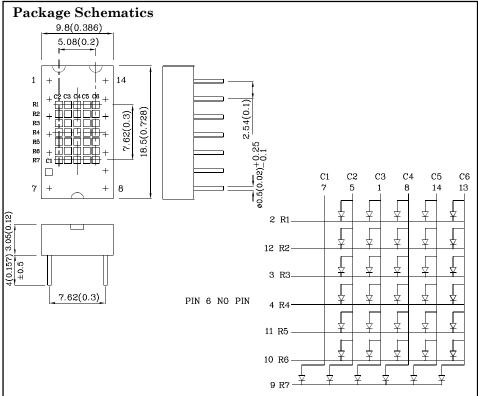
Features

- Low power consumption
- ullet Robust package
- I.C. Compatible
- Optional black face provides superior color contrast
- ullet 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	P _D 75		
Operating Temperature	T_{A}	-40 ~ +85	°C	
Storage Temperature	Tstg	-40 ~ +85		
Lead Solder Temperature [2mm Below Package Base] 260°C For 3-		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.) $(I_F=10\text{mA})$	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	Luminous CIE127 (I _F =10m	-2007*	Wavelength CIE127-2007* nm λP	Description
			min.	typ.		
XMUR07A	Red	GaAsP/GaP	2200 900*	5590 1790*	627*	Column Anode

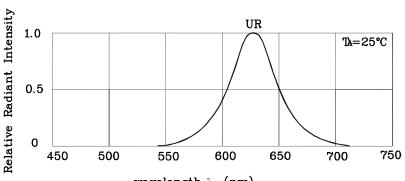
^{*}Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

Mar 01,2014

Part Number: XMUR07A

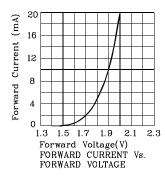
7.62mm (0.3 ") SINGLE COLOR DOT MATRIX DIS-

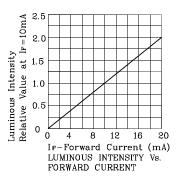
PLAY

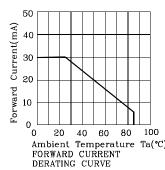


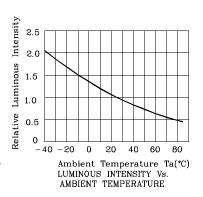
wavelength λ (nm) RELATIVE INTENSITY Vs. CIE WAVELENGTH

❖ UR

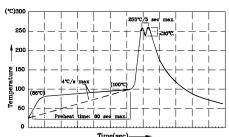








Wave Soldering Profile for Thru-Hole Products (Pb-Free Components)



- 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
- 2.Peak wave soldering temperature oetwermax).
 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.



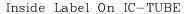
www.SunLEDusa.com

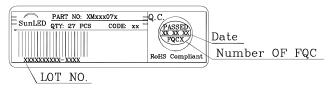
Part Number: XMUR07A

225 TUBE/BOX

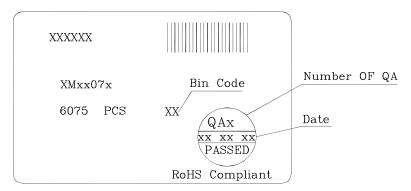
 $7.62\mathrm{mm}$ (0.3 ") SINGLE COLOR DOT MATRIX DISPLAY

PACKING & LABEL SPECIFICATIONS 27PCS/TUBE INSIDE LABEL OUTSIDE LABEL





Outside Label On Box



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- 5. The contents within this document may not be altered without prior consent by SunLED.

6075PCS/BOX

6. Additional technical notes are available at http://www.SunLEDusa.com/TechnicalNotes.asp