

# 106mm (4.17") 5x7 DOT MATRIX DISPLAY

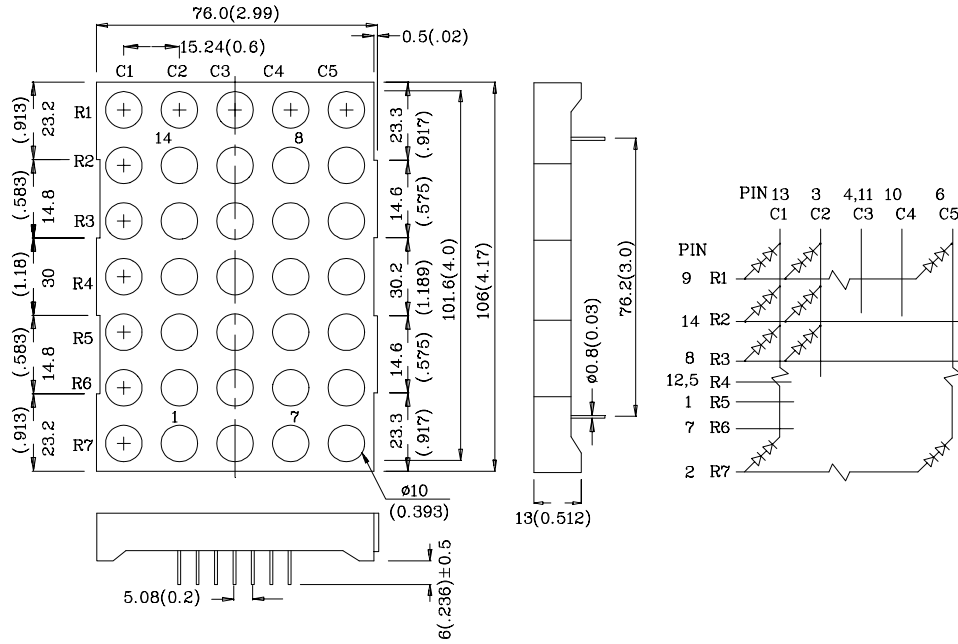
XMUG100C



## SUN LED

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**Notes:**

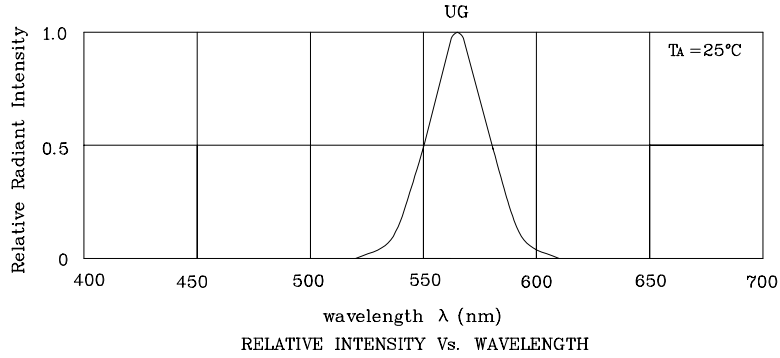
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$ " unless otherwise noted.

Absolute maximum ratings ( $T_A=25^\circ\text{C}$ )		UG (GaP)	Unit
Reverse voltage	$V_R$	5	V
Forward current	$I_F$	25	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	$i_{FS}$	140	mA
Power dissipation	$P_T$	105	mW
Operating temperature	$T_A$	-40 ~ +85	$^\circ\text{C}$
Storage temperature	$T_{stg}$		
Lead solder temperature [2mm below package base]	260 $^\circ\text{C}$ For 5 Seconds		

Operating Characteristics ( $T_A=25^\circ\text{C}$ )		UG (GaP)	Unit
Forward voltage (typ.) ( $I_F=10\text{mA}$ )	$V_F$	2.0	V
Forward voltage (max.) ( $I_F=10\text{mA}$ )	$V_F$	2.5	V
Reverse current ( $V_R=5\text{V}$ )	$I_R$	10	$\mu\text{A}$
Wavelength at peak emission ( $I_F=10\text{mA}$ )	$\lambda_{peak}$	565	nm
Wavelength at Dominate emission ( $I_F=10\text{mA}$ )	$\lambda_D$	568	nm
Spectral Line half-width ( $I_F=10\text{mA}$ )	$\Delta\lambda$	30	nm
Capacitance ( $V_F=0\text{V}$ , $f=1\text{MHz}$ )	$C$	15	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity ( $I_F=10\text{mA}$ ) ucd min.      typ.		Wavelength nm $\lambda_P$	Description
XMUG100C	Green	GaP	8000      23990		565	Column Cathode

**XMUG100C**



**❖UG**

