



0.36"(9.144mm) SINGLE DIGIT DISPLAY

PART NO. : UA(C)3671-11-M1 EWAK

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Features

- * 0.36-INCH (9.144-mm) DIGIT HEIGHT.
- * LOW CURRENT REQUIREMENTS.
- * EXCELLENT CHARACTERS APPEARANCE.
- * WIDE VIEWING ANGLE.
- * SOLID STATE RELIABILITY.
- * I.C. COMPATIBLE.
- * CATEGORIZED FOR LUMINOUS INTENSITY.

Description

The UA(C)3671-11-M1 is a 0.36-inch (9.144-mm) digit height single digit seven-segment display. The super bright red LED chips , which are made from AlGaAs on a transparent GaAs substrate. The device has a grey face and white segments.

Part No.	Led Chip		Description
	Material	Emitting Color	
UA3671-11-M1 EWAK	GaAlAs	Super bright Red	Common Anode
UC3671-11-M1 EWAK			Common Cathode

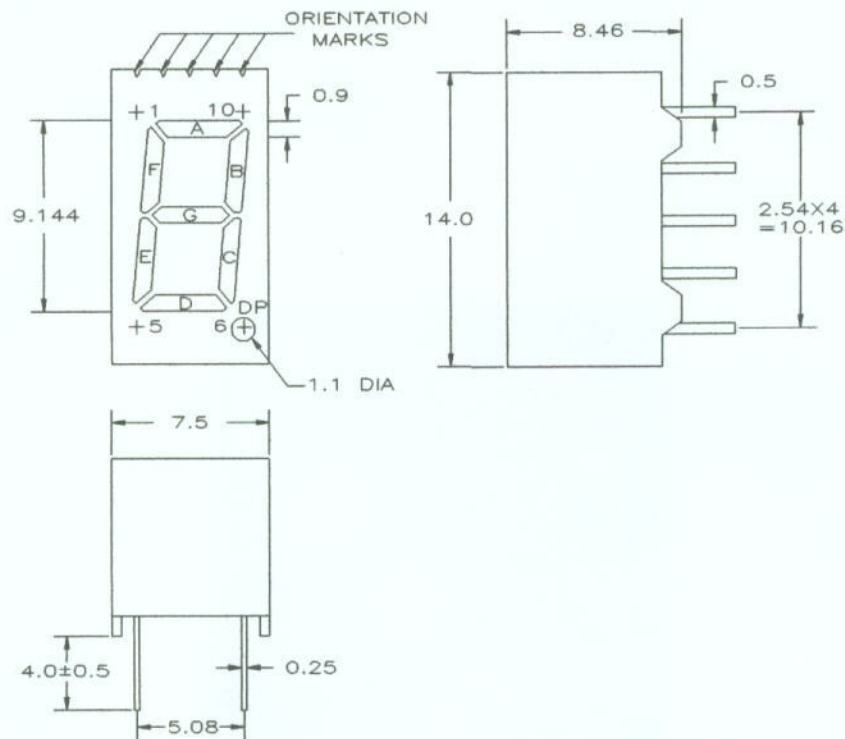


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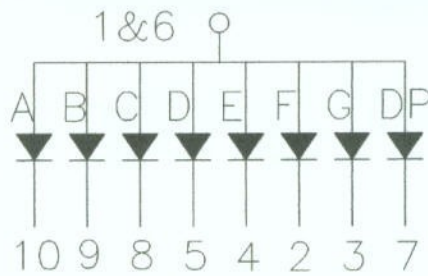
Package Dimensions



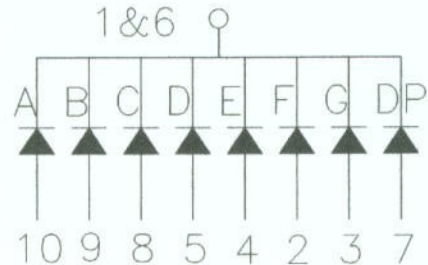
1. ALL DIMENSIONS ARE IN mm, TOLERANCE IS ± 0.15 mm UNLESS OTHERWISE NOTED.
2. THE SLOPE ANGLE OF ANY PIN MAY BE $\pm 5.0^\circ$ MAX.

Internal Circuit Diagram

UA3671-11-M1



UC3671-11-M1



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Pin Function**UA3671-11-M1**

Pin No.	Function
1	COMMON ANODE
2	CATHODE F
3	CATHODE G
4	CATHODE E
5	CATHODE D
6	COMMON ANODE
7	CATHODE DP
8	CATHODE C
9	CATHODE B
10	CATHODE A

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1	COMMON CATHODE
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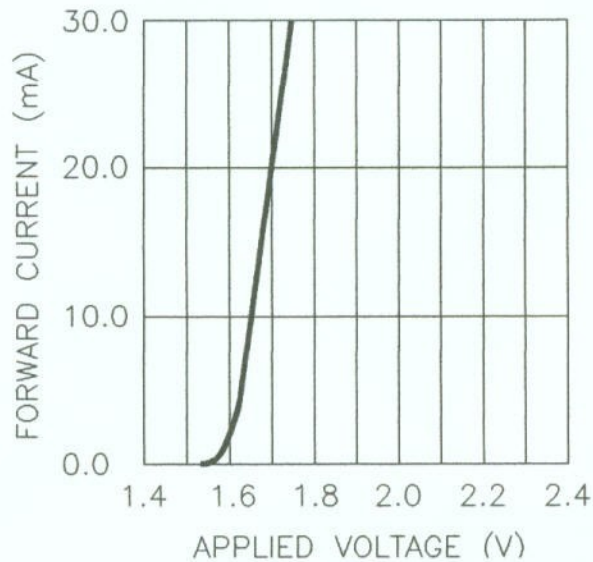
Absolute Maximum Ratings at Ta=25°C :

Parameter	Symbol	Rating	Unit
Reverse Voltage Per Led Chip	Vr	4	V
D.C. Forward Current Per Led Chip	If	30	mA
Pulse Current Per Led Chip (1/10 Duty Cycle, 0.1 ms Pulse Width)	If (Peak)	100	mA
Operating Temperature Range	Topr	-25 to +85	°C
Storage Temperature Range	Tstg	-25 to +100	°C
Lead Soldering Temp. (1.6mm from seating plane) for 3 seconds		260	°C

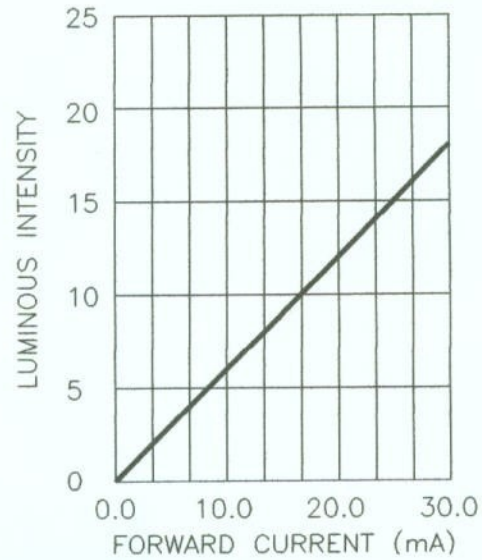
Electrical and Optical Characteristics :

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=10mA	3.5	6.0		mcd
Forward Voltage Per Segment	Vf	If=20mA		1.7	2.2	V
Peak Wavelength	λ_p	If=20mA		660		nm
Dominant Wavelength	λ_d	If=20mA		643		nm
Reverse Current Per Segment	Ir	Vr=4V			100	μ A
Spectrum Line Halfwidth	$\Delta\lambda$	If=20mA		20		nm

Typical Electrical / Optical Characteristics Curves :

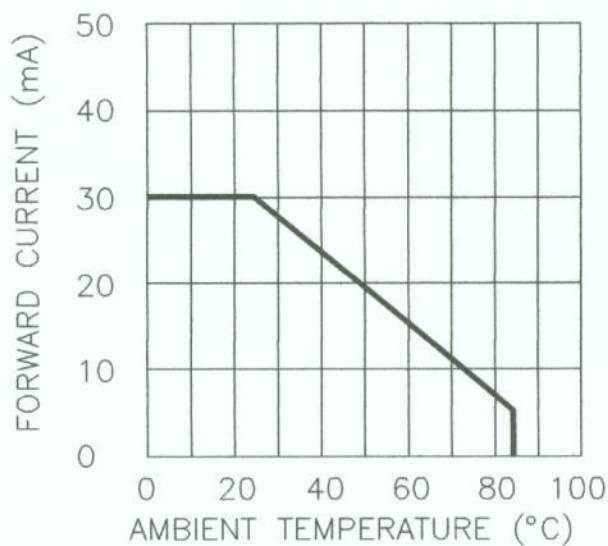


Forward Current vs. Applied Voltage

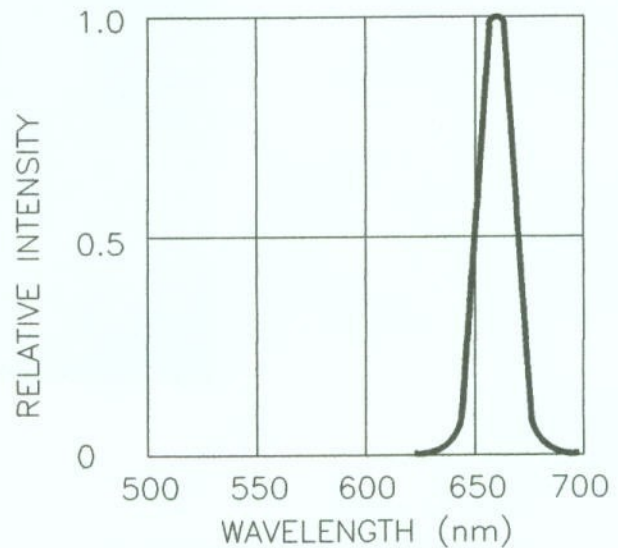


Luminous Intensity vs.

Forward Current



Forward Current vs. Ambient Temperature



Relative Intensity vs. Wavelength