



LEDTECH ELECTRONICS CORP.

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## SPECIFICATION

*PART NO.* : LA(C)3671-11 EWRN

0.36"(9.144mm) SINGLE DIGIT DISPLAY

Approved by	Checked by	Prepared by
<i>Fang Po</i>	Yang	Hong



**0.36''(9.144mm) SINGLE DIGIT DISPLAY  
PART NO. : LA(C)3671-11 EWRN**

**Features**

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

**Description**

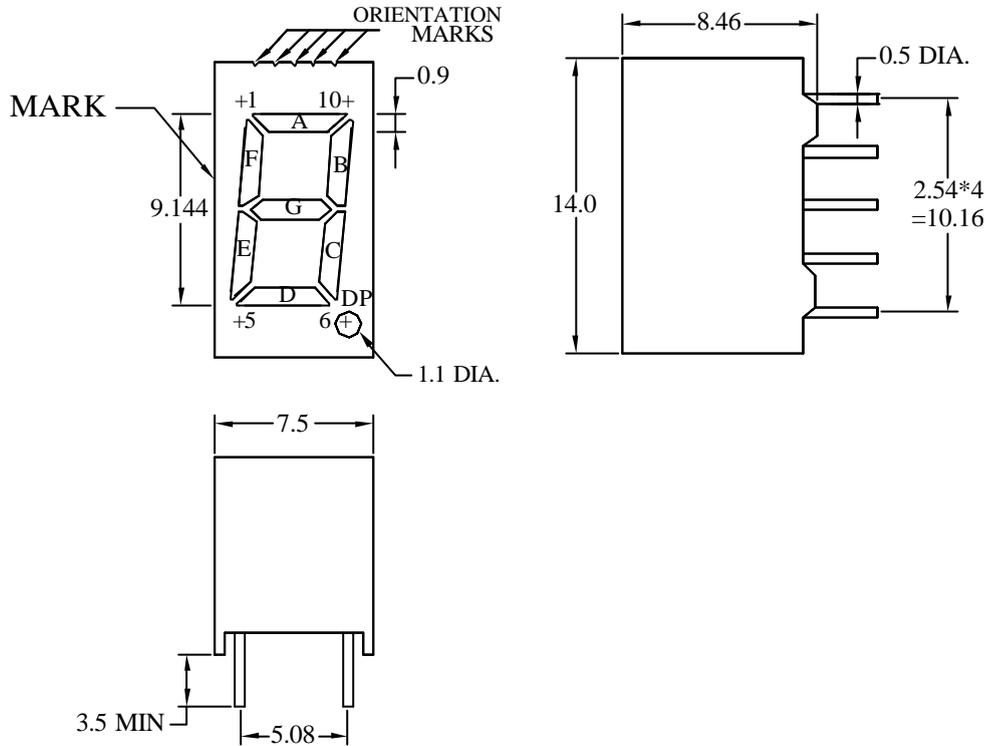
The LA(C)3671-11 is a 0.36-inch (9.144-mm) digit height single digit seven-segment display. The super red LED chips are made from AlGaAs on a transparent GaAs substrate. The device has a grey face and white segments.

Part No.	LED Chip		Description
	Material	Emitting Color	
LA3671-11 EWRN	AlGaAs/ GaAs	Super red	Common Anode
LC3671-11 EWRN			Common Cathode



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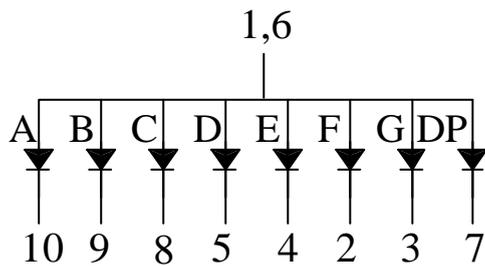
**Package Dimensions**



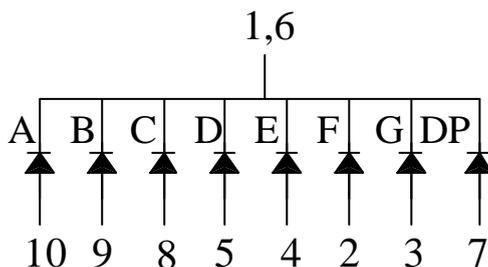
1. ALL DIMENSIONS ARE IN mm , TOLERANCE IS  $\pm 0.25\text{mm}$  UNLESS OTHERWISE NOTED.
2. THE SLOPE ANGLE OF ANY PIN MAY BE  $\pm 5.0^\circ$  MAX.

**Internal Circuit Diagram**

**LA3671-11**



**LC3671-11**





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**Pin Function**

<b>LA3671-11</b>		<b>LC3671-11</b>	
<b>Pin No.</b>	<b>Function</b>	<b>Pin No.</b>	<b>Function</b>
1	COMMON ANODE	1	COMMON CATHODE
2	CATHODE F	2	ANODE F
3	CATHODE G	3	ANODE G
4	CATHODE E	4	ANODE E
5	CATHODE D	5	ANODE D
6	COMMON ANODE	6	COMMON CATHODE
7	CATHODE DP	7	ANODE DP
8	CATHODE C	8	ANODE C
9	CATHODE B	9	ANODE B
10	CATHODE A	10	ANODE A



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**Absolute Maximum Ratings at Ta=25**

Parameter	Symbol	Rating	Unit
Reverse Voltage Per LED Chip	Vr	5	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	
Storage Temperature Range	Tstg	-40 to +100	
Lead Soldering Temp.(1.6mm from seating plane) for 3 seconds		260	

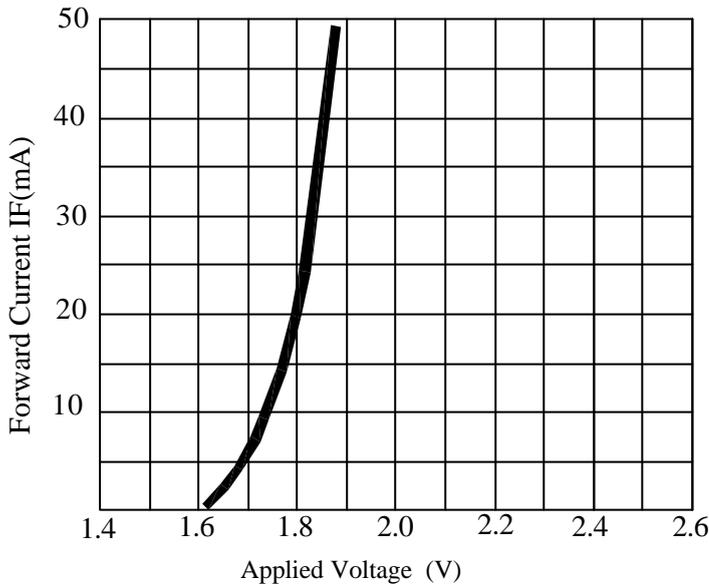
**Electrical and Optical Characteristics :**

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=10mA	6.1	10.2		mcd
Forward Voltage Per Segment	Vf	If=20mA		1.8	2.2	V
Wavelength	P	If=20mA		660		nm
	D		643			
Reverse Current Per Segment	Ir	Vr=5V			100	$\mu$ A
Spectrum Line Halfwidth		If=20mA		20		nm

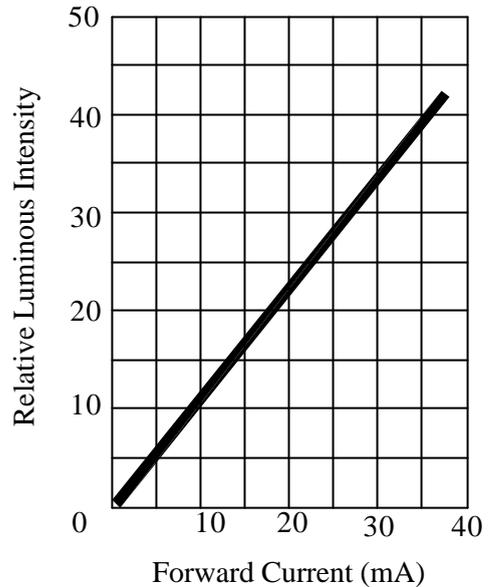


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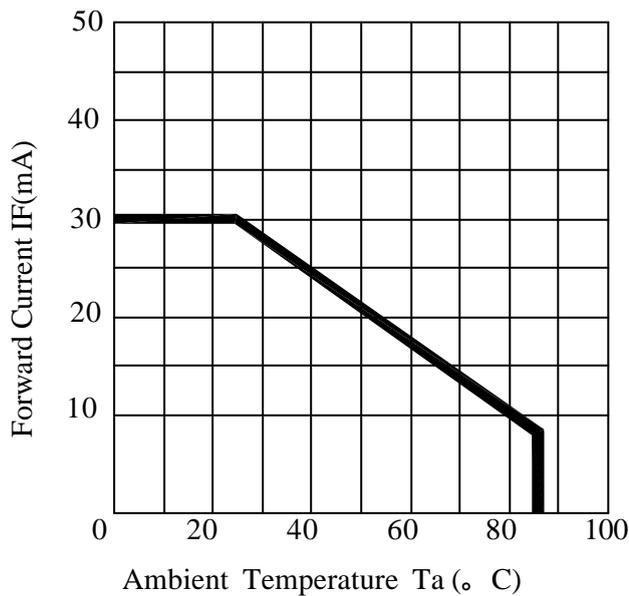
Typical Electrical/Optical Characteristic Curves  
(25 Ambient Temperature Unless Otherwise Noted)



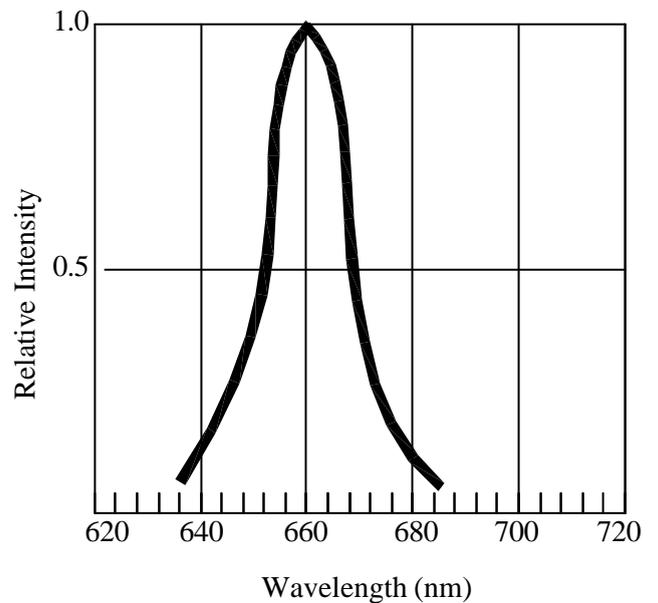
**FORWARD CURRENT VS. APPLIED VOLTAGE**



**LUMINOUS INTENSITY VS. FORWARD CURRENT**



**FORWARD CURRENT VS. AMBIENT TEMPERATURE**



**RELATIVE INTENSITY VS. WAVELENGTH**