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## SPECIFICATION

*PART NO. : LA(C)5621-S11 EWAK*

*0.56"(14.2mm) SINGLE DIGIT DISPLAY*

Approved by

Checked by

Prepared by

*San*

*Jang*

*Hong*



**0.56''(14.2mm) SINGLE DIGIT DISPLAY  
PART NO. : LA(C)5621-S11 EWAK**

**Features**

- \* **0.56-INCH(14.2-mm) DIGIT HEIGHT.**
- \* **LOW CURRENT REQUIREMENTS.**
- \* **WIDE VIEWING ANGLE.**
- \* **SOLID STATE RELIABILITY**
- \* **I.C. COMMPTIBLE.**
- \* **CATEGORIZED FOR LUMINOUS INTENSITY.**

**Description**

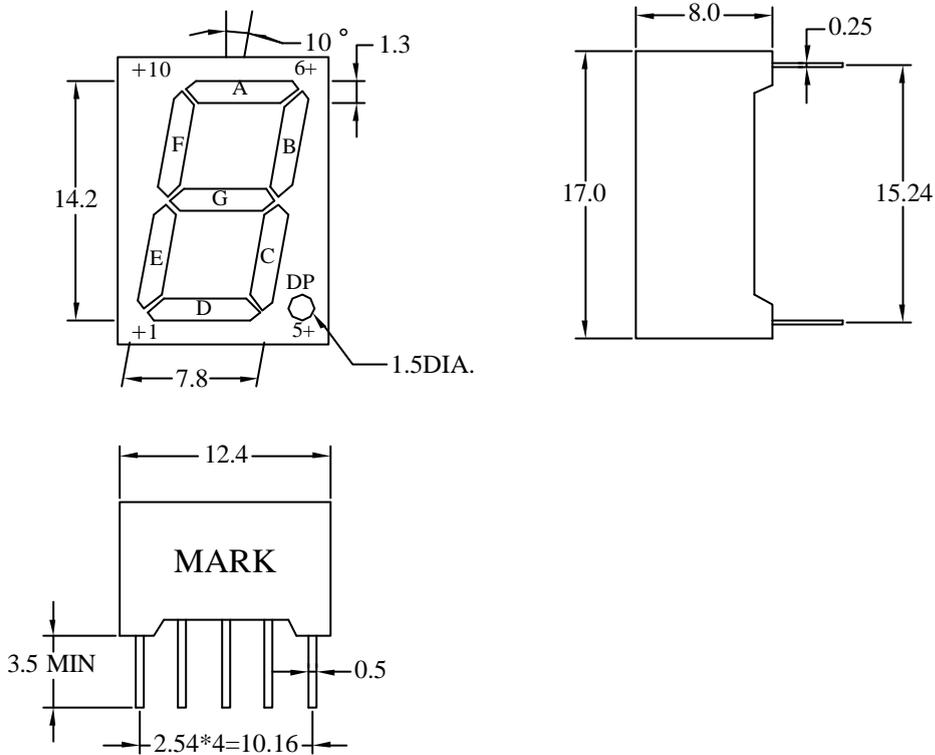
The LA(C)5621-S11 is a 0.56-inch (14.2-mm) digit height single digit seven- segment display. The green LED chips are made from GaP on a transparent GaP substrate. The device has a grey face and white segments.

Part No.	LED Chip		Description
	Material	Emitting Color	
LA5621-S11 EWAK	GaP/GaP	Green	Common Anode
LC5621-S11 EWAK			Common Cathode



# 0.56''(14.2mm) SINGLE DIGIT DISPLAY PART NO. : LA(C)5621-S11 EWAK

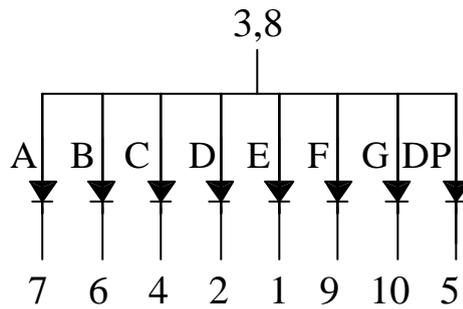
## Package Dimensions



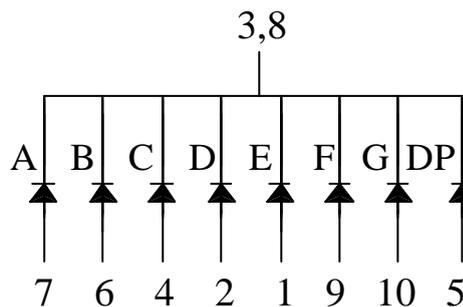
- 1. ALL DIMENSIONS ARE IN mm , TOLERANCE IS  $\pm 0.25\text{mm}$  UNLESS OTHERWISE NOTED.
- 2. THE SLOPE ANGLE OF ANY PIN MAY BE  $\pm 5.0^\circ$  MAX.

## Internal Circuit Diagram

LA5621-S11



LC5621-S11





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**Pin Function**

<b>LA5621-S11</b>		<b>LC5621-S11</b>	
<b>Pin No.</b>	<b>Function</b>	<b>Pin No.</b>	<b>Function</b>
1	CATHODE E	1	ANODE E
2	CATHODE D	2	ANODE D
3	COMMON ANODE	3	COMMON CATHODE
4	CATHODE C	4	ANODE C
5	CATHODE DP	5	ANODE DP
6	CATHODE B	6	ANODE B
7	CATHODE A	7	ANODE A
8	COMMON ANODE	8	COMMON CATHODE
9	CATHODE F	9	ANODE F
10	CATHODE G	10	ANODE G



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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	

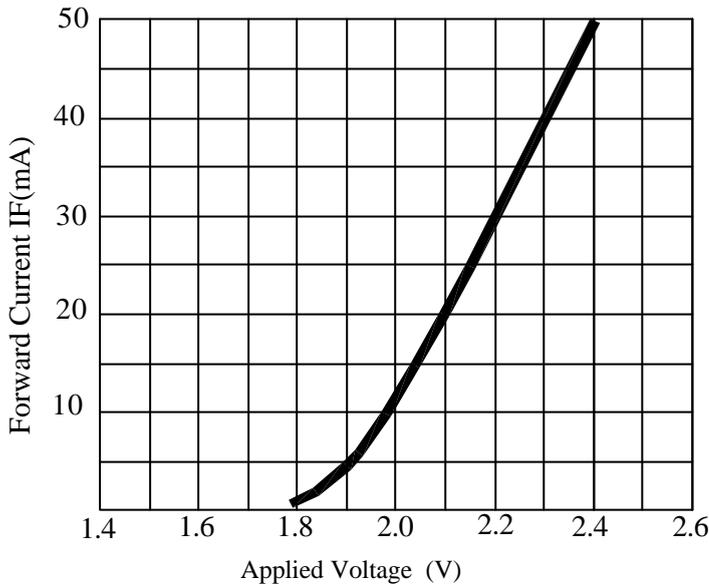
**Electrical and Optical Characteristics :**

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=10mA	1.7	2.9		mcd
Forward Voltage Per Segment	Vf	If=20mA		2.1	2.6	V
Wavelength	P	If=20mA		567		nm
	D		572			
Reverse Current Per Segment	Ir	Vr=5V			100	μ A
Spectrum Line Halfwidth		If=20mA		30		nm

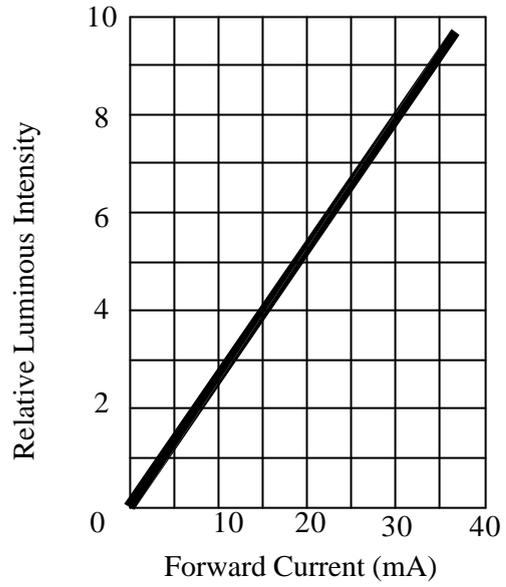


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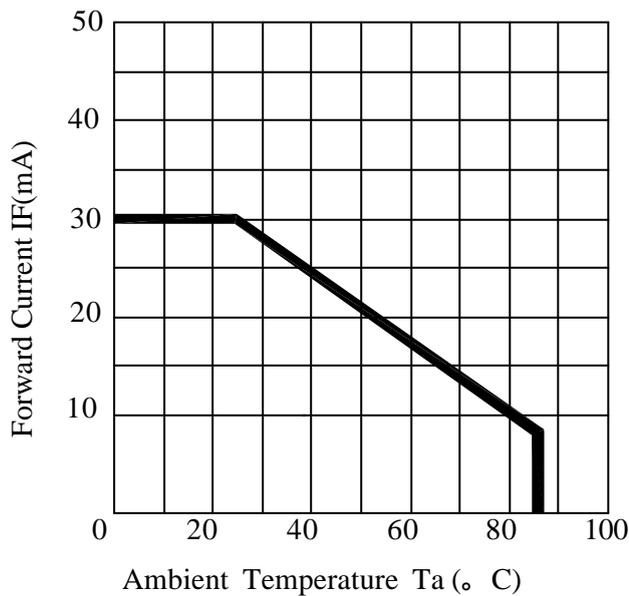
Typical Electrical/Optical Characteristic Curves  
(25 Ambient Temperature Unless Otherwise Noted)



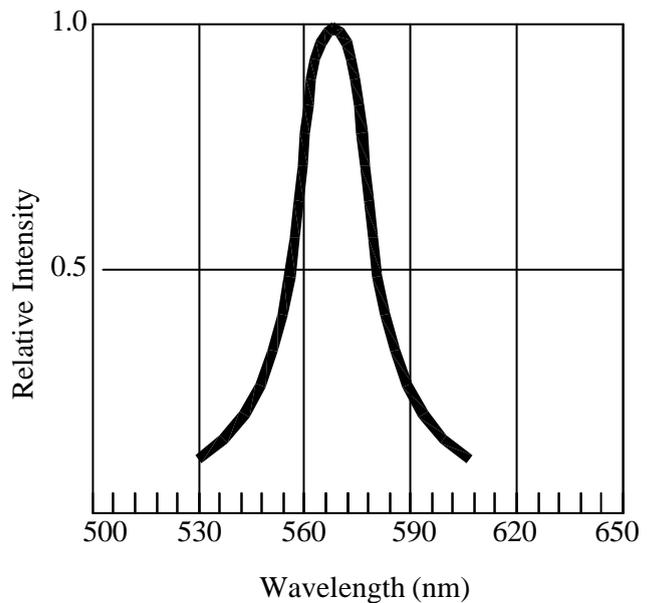
**FORWARD CURRENT VS. APPLIED VOLTAGE**



**LUMINOUS INTENSITY VS. FORWARD CURRENT**



**FORWARD CURRENT VS. AMBIENT TEMPERATURE**



**RELATIVE INTENSITY VS. WAVELENGTH**