



SPECIFICATION FOR LED DISPLAY

*PART NO. : LA(C)5672-11 EWRS
0.56"(14.22mm)DUAL DIGIT DISPLAY*

Prepare by: fyuany

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0.56"(14.22mm) DUAL DIGIT DISPLAY PART NO. : LA(C)5672-11 EWRS

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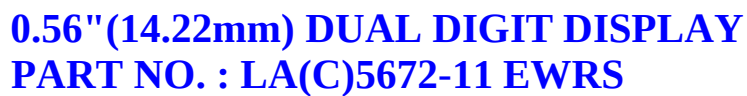
Features

- * 0.56-INCH(14.22-mm) DIGIT HEIGHT.
- * LOW CURRENT REQUIREMENTS.
- * WIDE VIEWING ANGLE.
- * SOLIDE STATE RELIABILITY
- * LOW CURRENT REQUIREMENTS.
- * I.C. COMMPATIBLE.
- * CATEGORIZED FOR LUMINOUS INTENSITY.

Description

The LA(C)5672-11 is a 0.56-inch (14.22-mm) digit height dual digit seven-segment display. The super 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	
LA5672-11 EWRS	AlGaAs	SUPER RED	Common Anode
LC5672-11 EWRS			Common Cathode



Internal Circuit Diagram

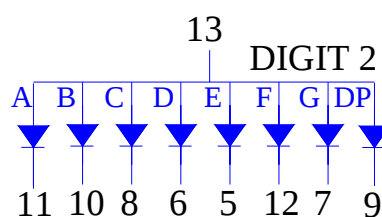
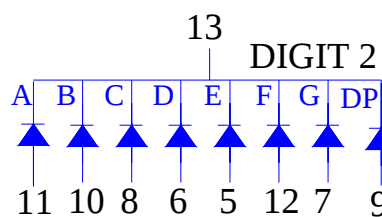


Diagram of the 14-bit DIGIT 1 input bus. The bus is labeled "DIGIT 1" and "14" at the top. It has eight input lines labeled A, B, C, D, E, F, G, and DP. Below each line is a blue triangle pointing up. Below the triangles are the bit numbers 16, 15, 3, 2, 1, 18, 17, and 4 respectively.





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Pin Function

LA5672-11		LC5672-11	
Pin No.	Function	Pin No.	Function
1	CATHODE E (DIGIT 1)	1	ANODE E (DIGIT 1)
2	CATHODE D (DIGIT 1)	2	ANODE D (DIGIT 1)
3	CATHODE C (DIGIT 1)	3	ANODE C (DIGIT 1)
4	CATHODE DP (DIGIT 1)	4	ANODE DP (DIGIT 1)
5	CATHODE E (DIGIT 2)	5	ANODE E (DIGIT 2)
6	CATHODE D (DIGIT 2)	6	ANODE D (DIGIT 2)
7	CATHODE G (DIGIT 2)	7	ANODE G (DIGIT 2)
8	CATHODE C (DIGIT 2)	8	ANODE C (DIGIT 2)
9	CATHODE DP (DIGIT 2)	9	ANODE DP (DIGIT 2)
10	CATHODE B (DIGIT 2)	10	ANODE B (DIGIT 2)
11	CATHODE A (DIGIT 2)	11	ANODE A (DIGIT 2)
12	CATHODE F (DIGIT 2)	12	ANODE F (DIGIT 2)
13	COMMON ANODE DIGIT2	13	COMMON CATHODE DIGIT2
14	COMMON ANODE DIGIT1	14	COMMON CATHODE DIGIT1
15	CATHODE B (DIGIT 1)	15	ANODE B (DIGIT 1)
16	CATHODE A (DIGIT 1)	16	ANODE A (DIGIT 1)
17	CATHODE G (DIGIT 1)	17	ANODE G (DIGIT 1)
18	CATHODE F (DIGIT 1)	18	ANODE F (DIGIT 1)



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Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Reverse Votage 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°C to +85°C	°C
Storage Temperature Range	Tstg	-25°C to +100°C	°C
Lead Soldering Temp.(1.6mm from seating plane) for 3 seconds		260	°C

Electrical and Optical Characteristics :

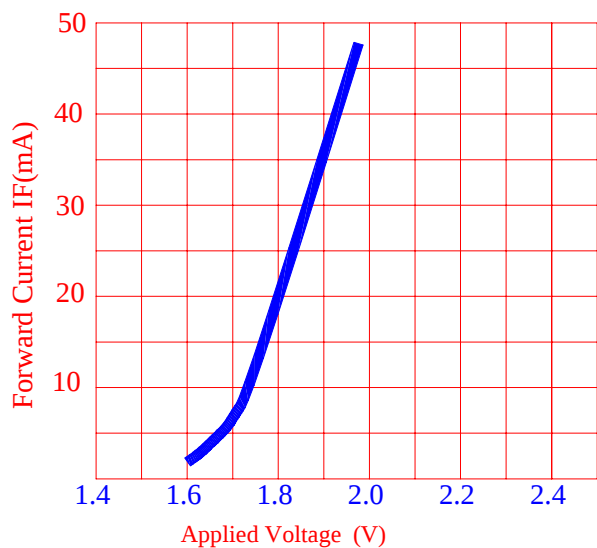
Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=10mA	17.3	28.9		mcd
Forward Voltage Per Segment	Vf	If=20mA		1.8	2.2	V
Peak Wavelength	λP	If=20mA		660		nm
	λD			643		
Reverse Current Per Segment	Ir	Vr=5V			10	μA
Spectrum Line Halfwidth	$\triangle \lambda$	If=20mA		20		nm



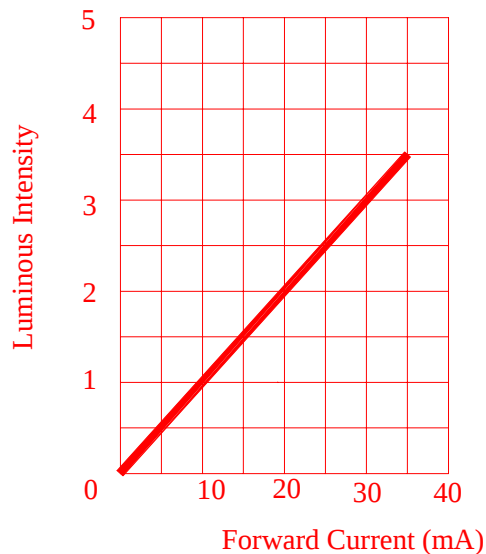
0.56"(14.22mm) DUAL DIGIT DISPLAY
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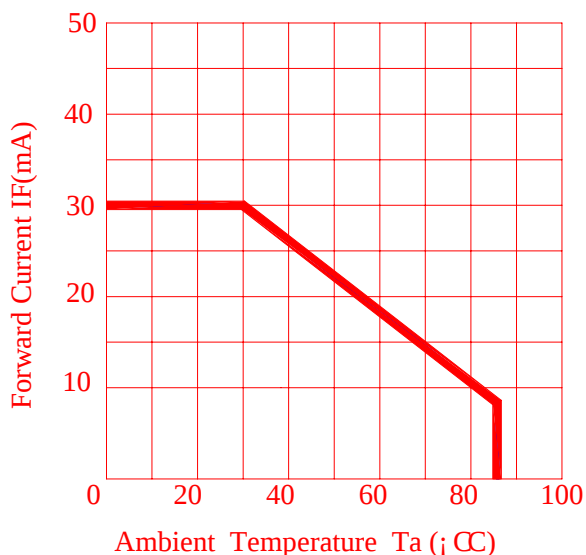
Typical Electrical/Optical Characteristic Curves
(25°C Ambient Temperature Unless Otherwise Noted)



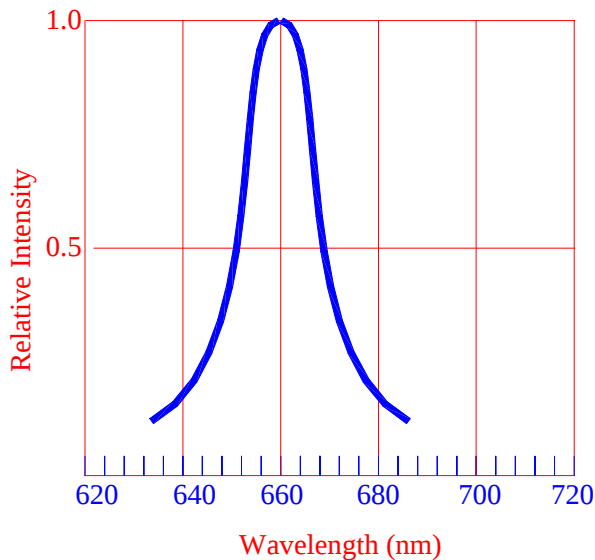
FORWARD CURRENT VS. APPLIED VOLTAGE



LUMINOUS INTENSITY VS. FORWARD CURRENT



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RELATIVE INTENSITY VS. WAVELENGTH