



SPECIFICATION FOR LED DISPLAY

PART NO. : LA(C)5671-S2EWRS

0.56”(14.22mm) SINGLE DIGIT DISPLAY

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Features

- * 0.56-INCH (14.22-mm) DIGIT HEIGHT.
- * LOW CURRENT REQUIREMENTS.
- * EXCELLENT CHARACTERS APPEARANCE.
- * WIDE VIEWING ANGLE.
- * SOLID STATE RELIABILITY.
- * I.C. COMPATIBLE.
- * CATEGORIZED FOR LUMINOUS INTENSITY.

Description

The LA(C)5671-S2 is a 0.56-inch (14.22-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.

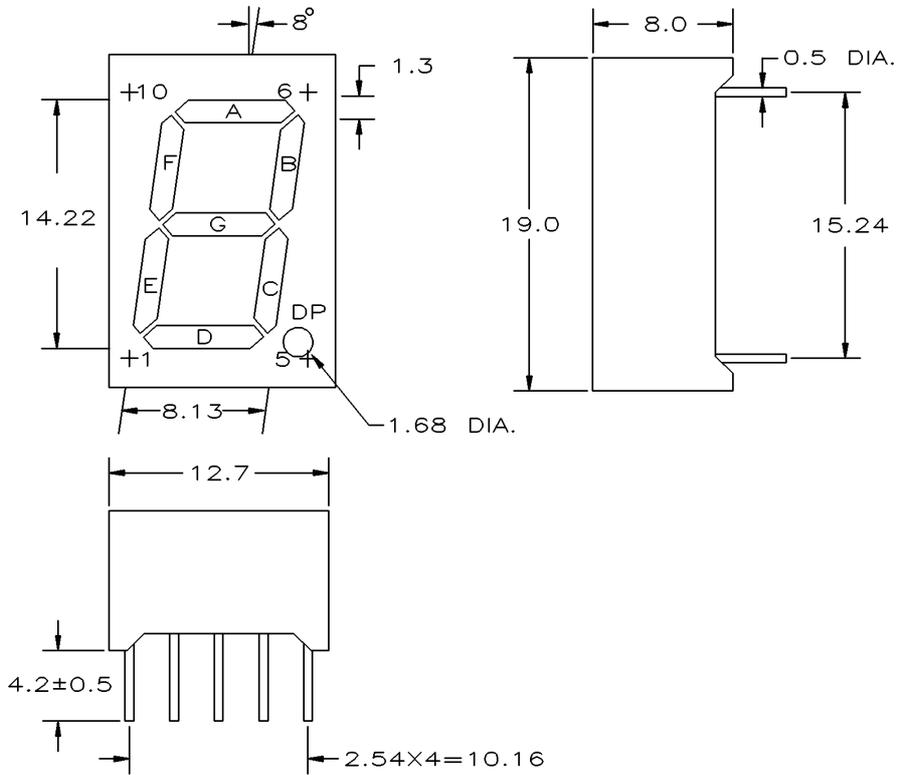
Part No.	Led Chip		Description
	Material	Emitting Color	
LA5671-S2EWRS	GaAlAs	Super bright Red	Common Anode
LC5671-S2EWRS			Common Cathode



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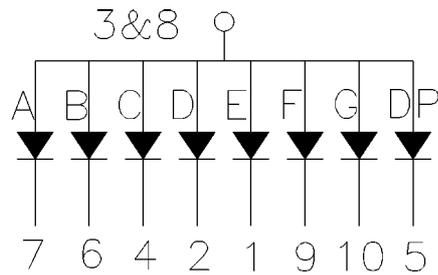
Package Dimensions



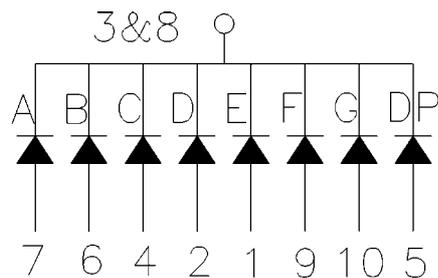
1. ALL DIMENSIONS ARE IN mm, TOLERANCE IS ± 0.15 mm UNLESS OTHERWISE NOTED.
2. THE SLOPE ANGLE OF ANY PIN MAY BE $\pm 5.0^\circ$ MAX.

Internal Circuit Diagram

LA5671-S2



LC5671-S2





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Pin Function

LA5671-S2

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

LC5671-S2

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



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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 :

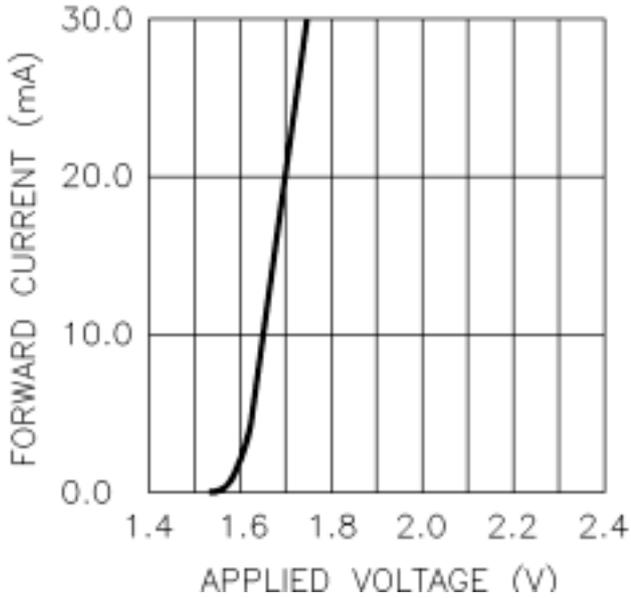
Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=10mA	7	12		mcd
Forward Voltage Per Segment	Vf	If=20mA		1.7	2.2	V
Peak Wavelength	λp	If=20mA		660		nm
Dominant Wavelength	λd	If=20mA		643		nm
Reverse Current Per Segment	Ir	Vr=4V			100	μA
Spectrum Line Halfwidth	$\Delta \lambda$	If=20mA		20		nm



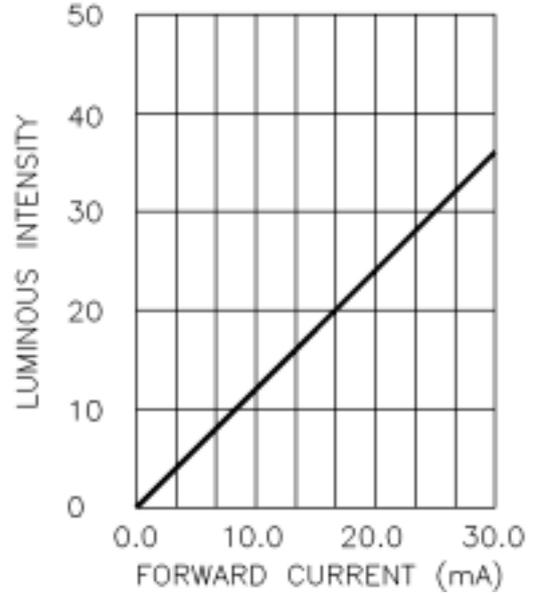
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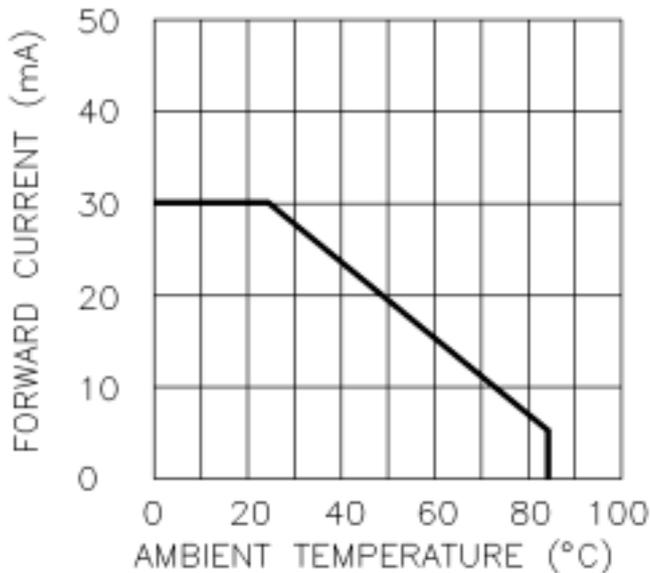
Typical Electrical / Optical Characteristics Curves :



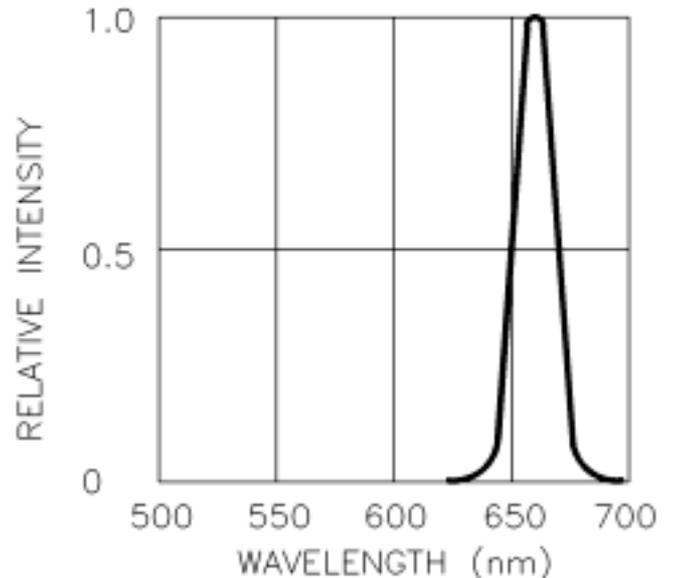
Forward Current vs. Applied Voltage



Luminous Intensity vs. Forward Current



Forward Current vs. Ambient Temperature



Relative Intensity vs. Wavelength