



SPECIFICATION FOR LED DISPLAY

*PART NO. : LA(C)8071-11 EWRS
0.8"(20.32mm)SINGLE DIGIT DISPLAY*

Prepared by: fyuany

Checked by: _____

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**0.8''(20.32mm) SINGLE DIGIT DISPLAY
PART NO. : LA(C)8071-11 EWRS**

Features

- * **0.8-INCH(20.32-mm) DIGIT HEIGHT.**
- * **LOW CURRENT REQUIREMENTS.**
- * **WIDE VIEWING ANGLE.**
- * **SOLIDE STATE RELIABILITY**
- * **LOW CURRENT REQUIREMENTS.**
- * **I.C. COMPATIBLE.**
- * **CATEGORIZED FOR LUMINOUS INTENSITY.**

Description

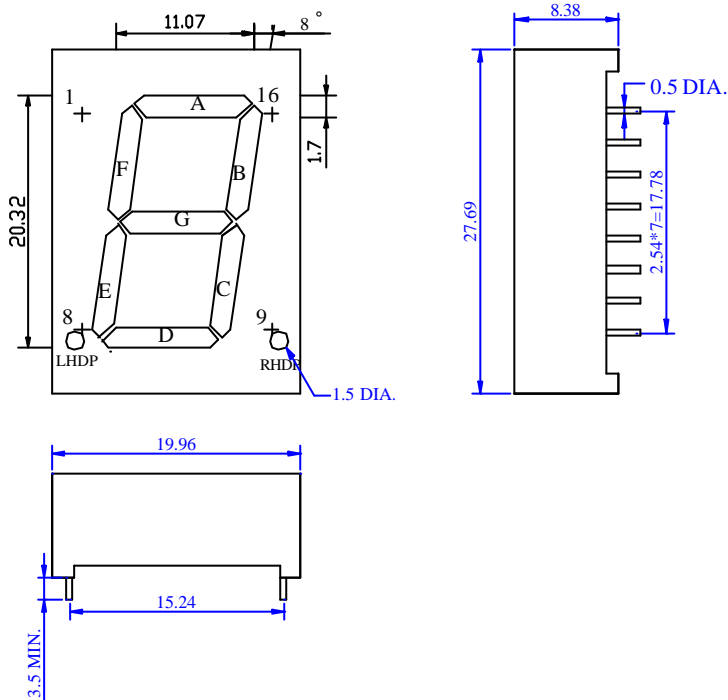
The LA(C)8071-11 is a 0.8-inch (20.32-mm) digit height single digit seven-segment display. The Super Red LED chips , which are made from AlGaAs on a transparent GaAs substrate. The device has a grey face and white segments.

Part No.	Led Chip		Description
	Material	Emitting Color	
LA8071-11 EWRS	AlGaAs	Super Red	Common Anode
LC8071-11 EWRS			Common Cathode



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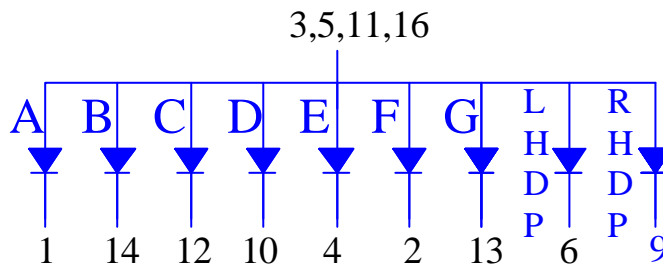
Package Dimensions



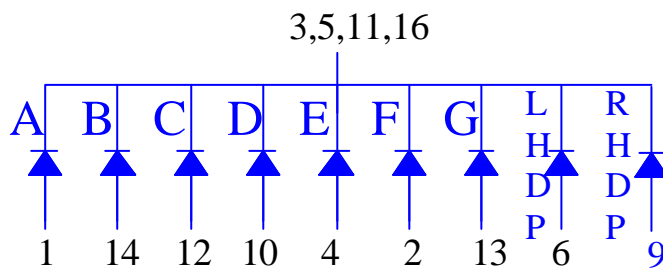
- 1. ALL DIMENSIONS ARE IN mm , TOLERANCE IS ± 0.25 mm UNLESS OTHERWISE NOTED.
- 2. THE SLOPE ANGLE OF ANY PIN MAY BE $\pm 5.0^\circ$ MAX.

Internal Circuit Diagram

LA8071-11



LC8071-11





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Pin Function

LA8071-11		LC8071-11	
Pin No.	Function	Pin No.	Function
1	CATHODE A	1	ANODE A
2	CATHODE F	2	ANODE F
3	COMMON ANODE	3	COMMON CATHODE
4	CATHODE E	4	ANODE E
5	COMMON ANODE	5	COMMON CATHODE
6	CATHODE LHDP	6	ANODE LHDP
7	NO PIN	7	NO PIN
8	NO PIN	8	NO PIN
9	CATHODE RHDP	9	ANODE RHDP
10	CATHODE D	10	ANODE D
11	COMMON ANODE	11	COMMON CATHODE
12	CATHODE C	12	ANODE C
13	CATHODE G	13	ANODE G
14	CATHODE B	14	ANODE B
15	NO PIN	15	NO PIN
16	COMMON ANODE	16	COMMON CATHODE



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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	-25 to +100	
Lead Soldering Temp.(1.6mm from seating plane) for 3 seconds		260	

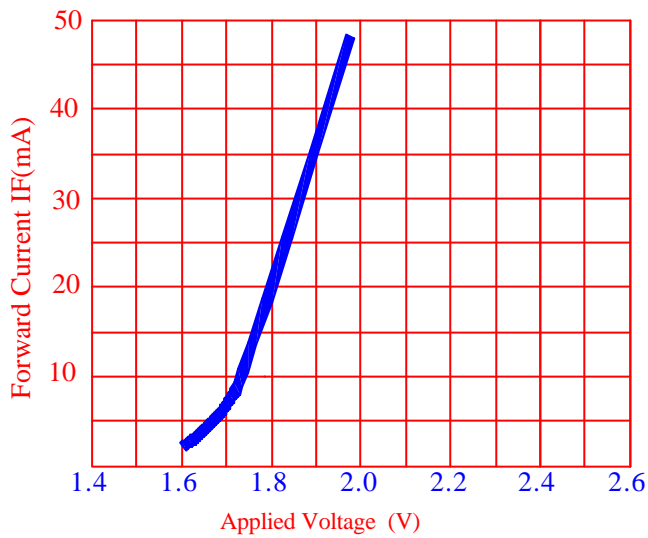
Electrical and Optical Characteristics :

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=10mA	20.0	33.3		mcđ
Forward Voltage Per Segment	Vf	If=20mA		1.8	2.2	V
Peak Wavelength	P	If=20mA		660		nm
	D			643		
Reverse Current Per Segment	Ir	Vr=5V			10	μ A
Spectrum Line Halfwidth		If=20mA		20		nm

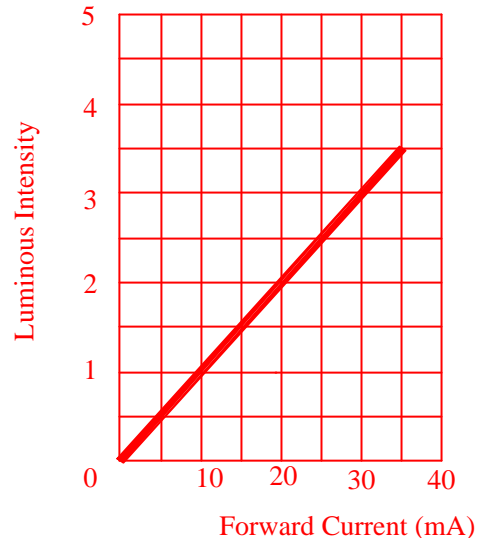


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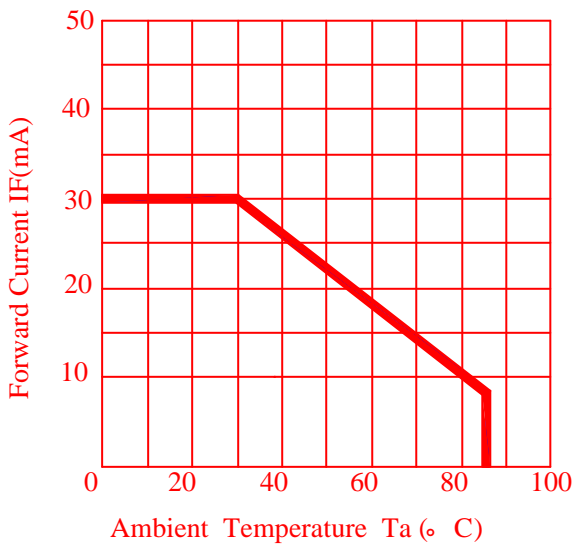
Typical Electrical/Optical Characteristic Curves
(25 °C Ambient Temperature Unless Otherwise Noted)



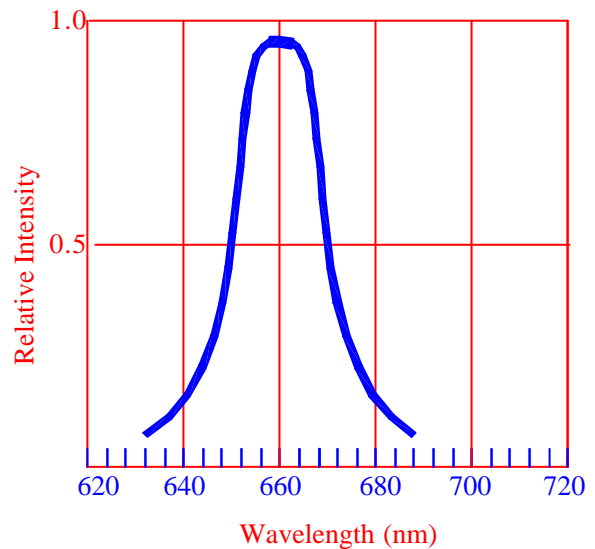
FORWARD CURRENT VS. APPLIED VOLTAGE



LUMINOUS INTENSITY VS. FORWARD CURRENT



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RELATIVE INTENSITY VS. WAVELENGTH

