



SPECIFICATION FOR LED DISPLAY

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

Prepared by: fyuany

Checked by: _____

Approved by: _____

LEDTECH ELECTRONICS CORPORATION

*NANYA ROAD,MUGANG ZHAOQING CITY
GUANGDONG CHINA.*

TEL:86-758-2875541,2870651,2877464,2876185,2877017

FAX:86-758-2878014

Http://ledtech.com.tw



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

Page : 1/5

Features

- * 0.8-INCH(20.32-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)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

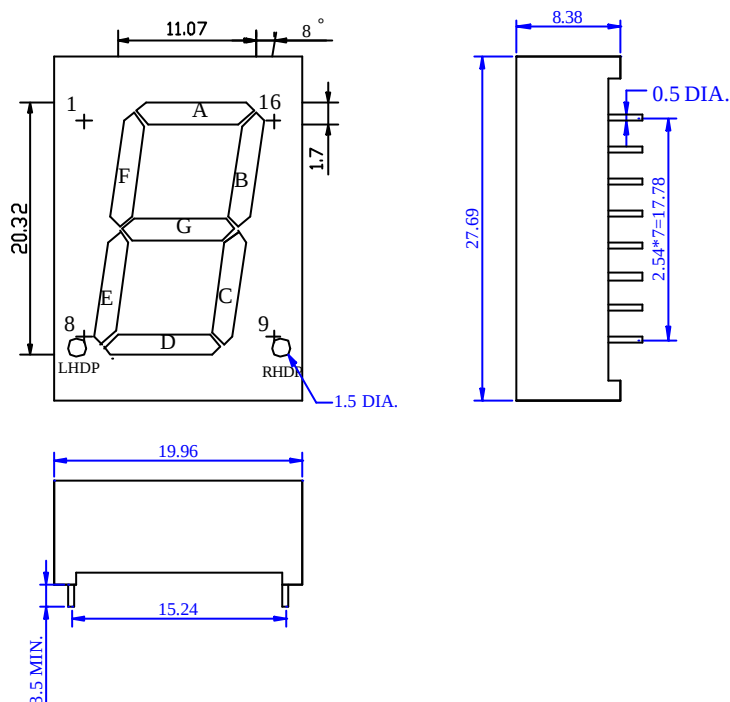


0.8" (20.32mm) SINGLE DIGIT DISPLAY

PART NO. : LA(C)8071-11 EWRS

Page : 2/5

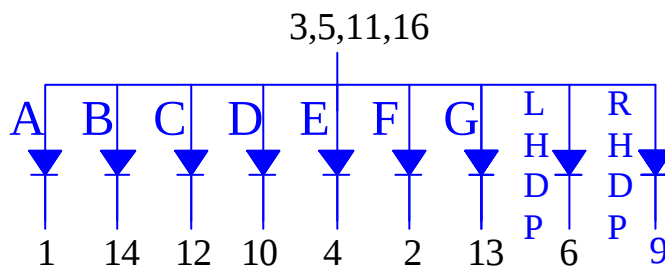
Package Dimensions



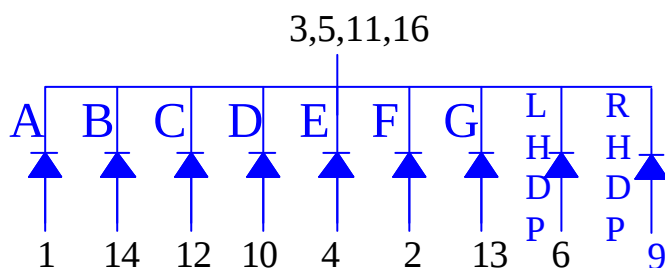
1. ALL DIMENSIONS ARE IN mm , TOLERANCE IS ± 0.25 mm UNLESS OTHERWISE NOTED.
2. THE SLOPE ANGLE OF ANY PIN MAY BE $\pm 5.0^\circ$ MAX.

Internal Circuit Diagram

LA8071-11



LC8071-11





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

Page : 3/5

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



0.8"(20.32mm) SINGLE DIGIT DISPLAY

PART NO. : LA(C)8071-11 EWRS

Page : 4/5

Absolute Maximum Ratings at Ta=25

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 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 :

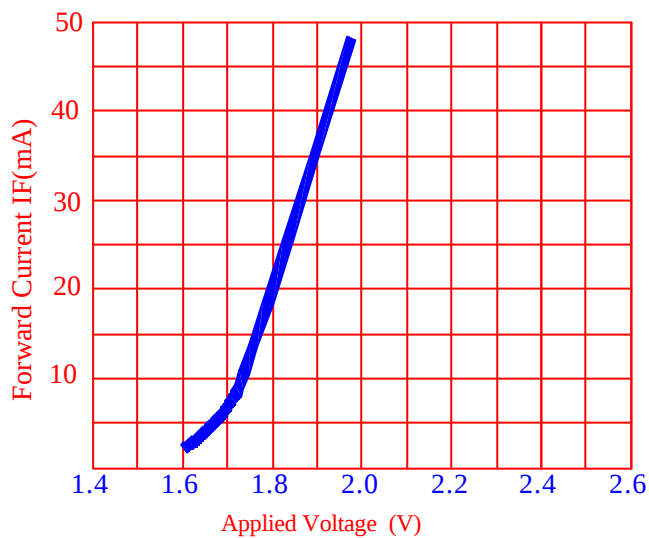
Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=10mA	20.0	33.3		mcd
Forward Voltage Per Segment	Vf	If=20mA		1.8	2.2	V
Peak Wavelength	λ P	If=20mA		660		nm
	λ D			643		
Reverse Current Per Segment	Ir	Vr=5V			10	μ A
Spectrum Line Halfwidth	λ	If=20mA		20		nm



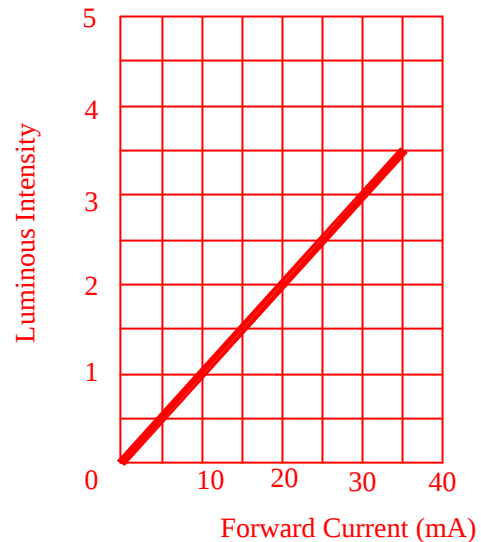
0.8" (20.32mm) SINGLE DIGIT DISPLAY
PART NO. : LA(C)8071-11 EWRS

Page : 5/5

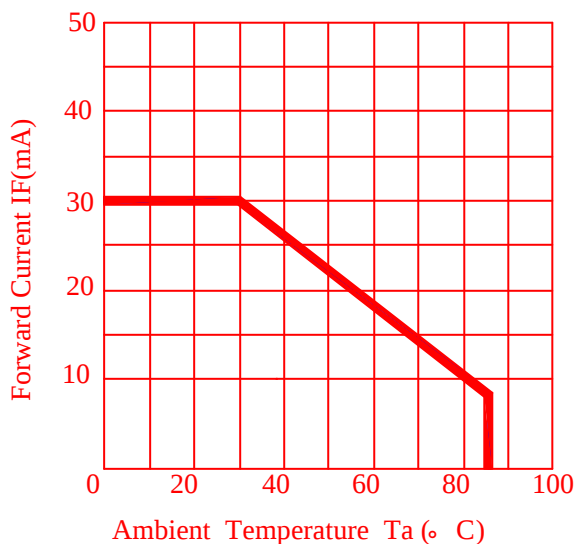
Typical Electrical/Optical Characteristic Curves
(25 °C Ambient Temperature Unless Otherwise Noted)



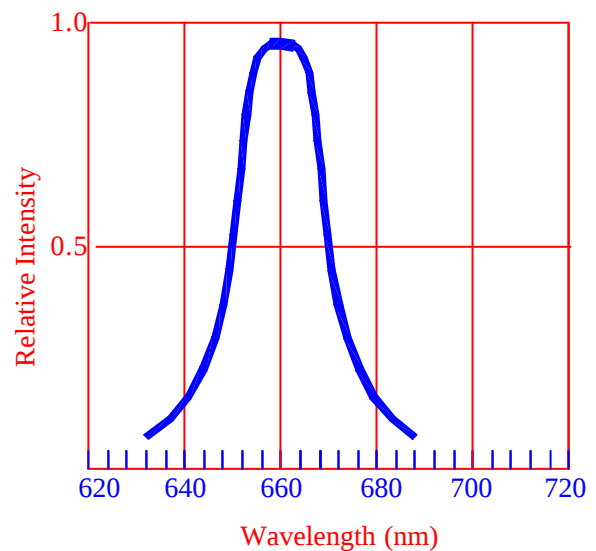
FORWARD CURRENT VS. APPLIED VOLTAGE



LUMINOUS INTENSITY VS. FORWARD CURRENT



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RELATIVE INTENSITY VS. WAVELENGTH

