



SPECIFICATION FOR LED DISPLAY

*PART NO. : LA(C)36B1-11-M1EWAK
0.36"(9.144mm) SINGLE DIGIT DISPLAY*

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**0.36"(9.144mm) SINGLE DIGIT DISPLAY
PART NO. : LA(C)36B1-11-M1EWAK**

Features

- * **0.36-INCH(9.144-mm) DIGIT HEIGHT.**
- * **LOW CURRENT REQUIREMENTS.**
- * **WIDE VIEWING ANGLE.**
- * **SOLIDE STATE RELIABILITY**
- * **LOW CURRENT REQUIREMENTS.**
- * **I.C. COMMPATIABLE.**
- * **CATEGORIZED FOR LUMINOUS INTENSITY.**

Description

The LA(C)36B1-11-M1EWAK is a 0.36-inch (9.144-mm) digit height single digit seven-segment display.

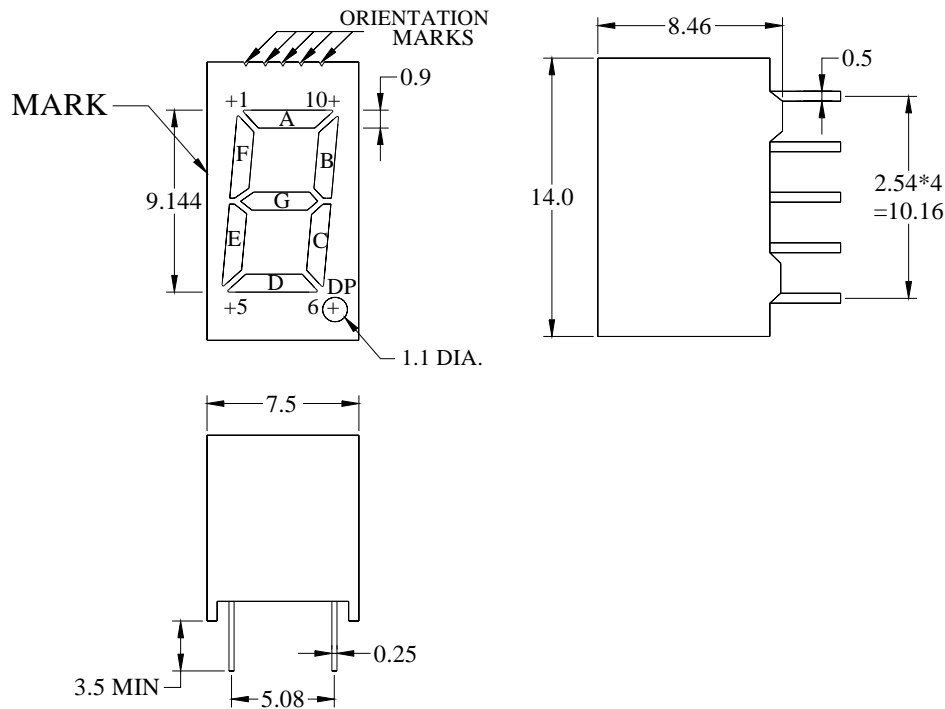
The Blue LED chips , which are made from GaN on a transparent SiC substrate.
The device has a grey face and white segments.

Part No.	Led Chip		Description
	Material	Emitting Color	
LA36B1-11-M1EWAK	GaN/SiC	BLUE	Common Anode
LC36B1-11-M1EWAK			Common Cathode



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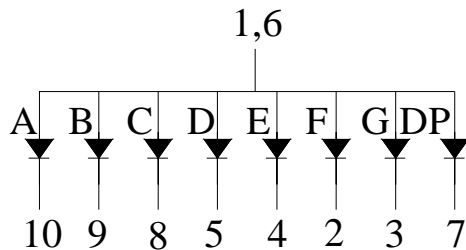
Package Dimensions



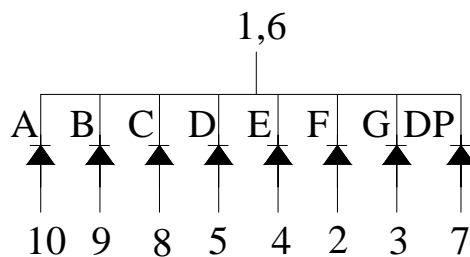
1. ALL DIMENSIONS ARE IN mm , TOLERANCE IS ± 0.25 mm UNLESS OTHERWISE NOTED.
2. THE SLOPE ANGLE OF ANY PIN MAY BE $\leq 5.0^\circ$ MAX.

Internal Circuit Diagram

LA36B1-11



LC36B1-11





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Pin Function

LA36B1-11		LC36B1-11	
Pin No.	Function	Pin No.	Function
1	COMMON ANODE	1	COMMON CATHODE
2	CATHODE F	2	ANODE F
3	CATHODE G	3	ANODE G
4	CATHODE E	4	ANODE E
5	CATHODE D	5	ANODE D
6	COMMON ANODE	6	COMMON CATHODE
7	CATHODE DP	7	ANODE DP
8	CATHODE C	8	ANODE C
9	CATHODE B	9	ANODE B
10	CATHODE A	10	ANODE A



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Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Reverse Voltage Per Led Chip	V _r	5	V
D.C. Forward Current Per Led Chip	I _f	30	mA
Pulse Current Per Led Chip (1/10 Duty Cycle , 0.1 ms Pulse Width)	I _f (Peak)	100	mA
Operating Temperature Range	T _{opr}	-25 to +85	°C
Storage Temperature Range	T _{stg}	-40 to +100	°C
Lead Soldering Temp.(1.6mm from seating plane) for 3 seconds		260	°C

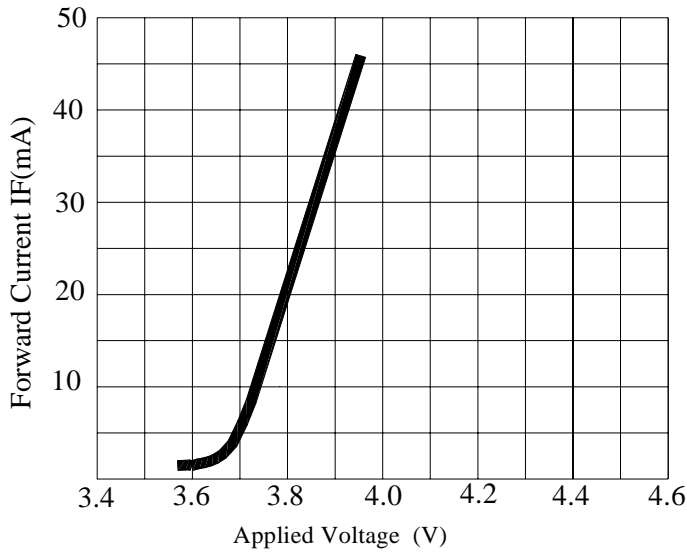
Electrical and Optical Characteristics :

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	I _v	I _f =10mA	4.0	5.1		mcd
Forward Voltage Per Segment	V _f	I _f =20mA		3.8	4.5	V
Wavelength	λ P	I _f =20mA		428		nm
	λ D			466		
Reverse Current Per Segment	I _r	V _r =5V			100	μ A
Spectrum Line Halfwidth	Δλ	I _f =20mA		65		nm

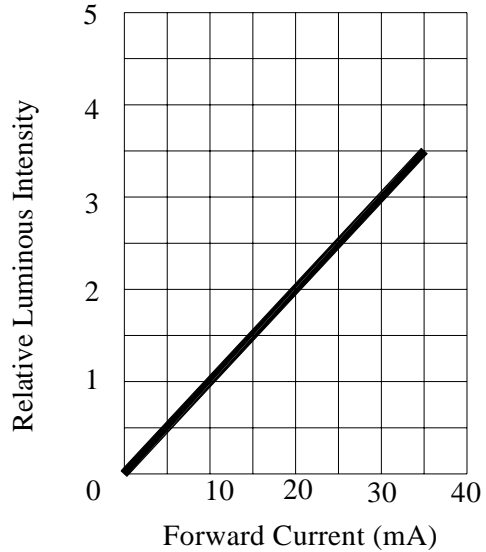


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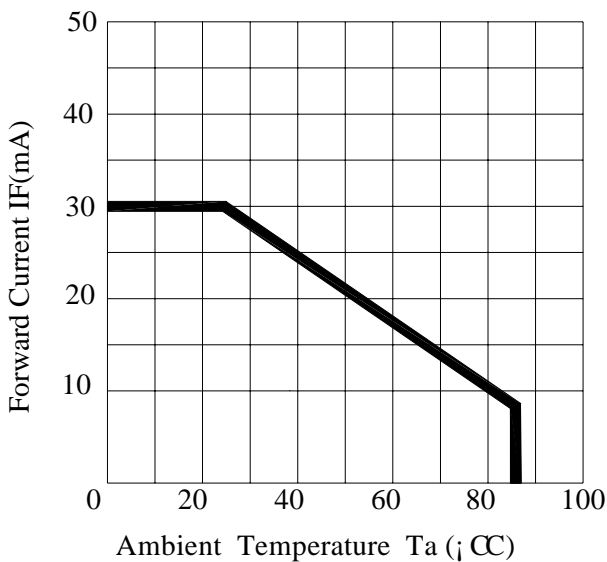
Typical Electrical/Optical Characteristic Curves
(25 ϕ J Ambient Temperature Unless Otherwise Noted)



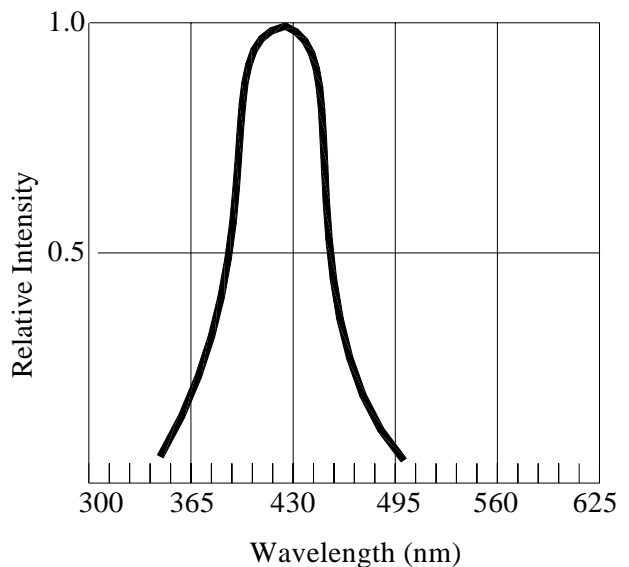
FORWARD CURRENT VS.APPLIED VOLTAGE



LUMINOUS INTENSITY VS. FORWARD CURRENT



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RELATIVE INTENSITY VS. WAVELENGTH