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SPECIFICATION

PART NO. : LB3521-11 NWAK

0.35"(8.9mm) LIGHT BAR

Approved by	Checked by	Prepared by
<i>Jack</i>	<i>Dodo</i>	<i>Cure</i>



0.35"(8.9mm) LIGHT BAR
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Features

- * **0.35-INCH(8.9mm) LIGHT BAR.**
- * **LOW CURRENT REQUIREMENTS.**
- * **WIDE VIEWING ANGLE.**
- * **SOLID STATE RELIABILITY**
- * **I.C. COMPATIBLE.**
- * **CATEGORIZED FOR LUMINOUS INTENSITY.**

Description

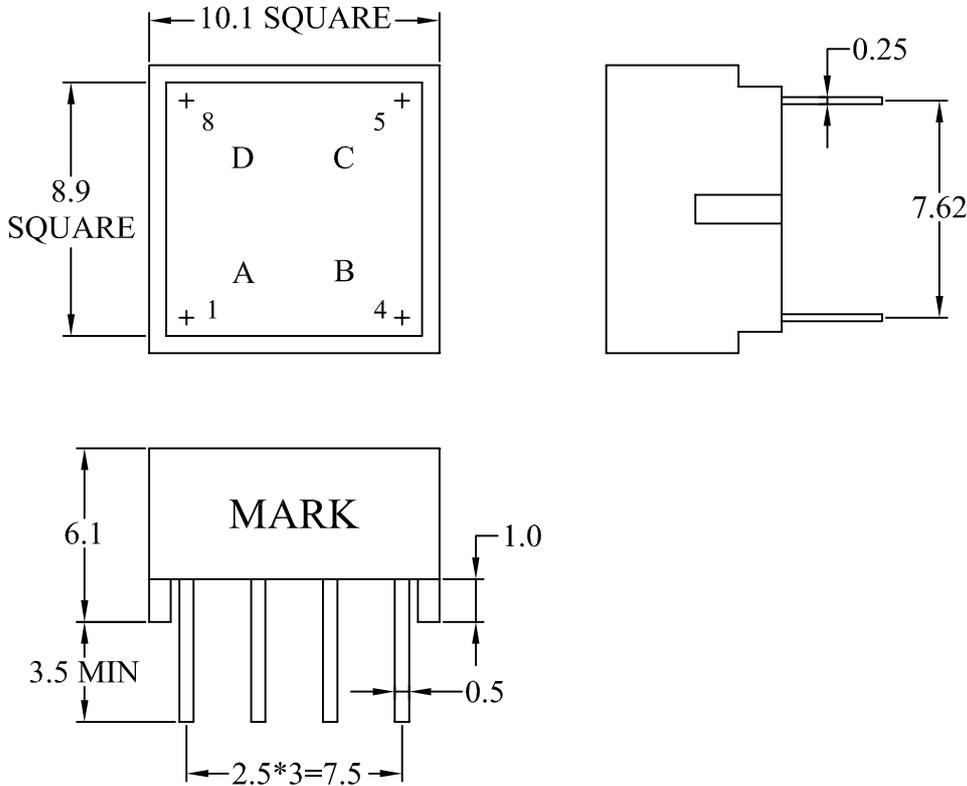
The LB3521-11 NWAK is a 0.35-inch (8.9mm) square light bar.
The Green LED chips , which are made from GaP on a transparent GaP substrate.
The device has a white face and white segments.

Part No.	LED Chip		Description
	Material	Emitting Color	
LB3521-11 NWAK	GaP/GaP	GREEN	LIGHT BAR



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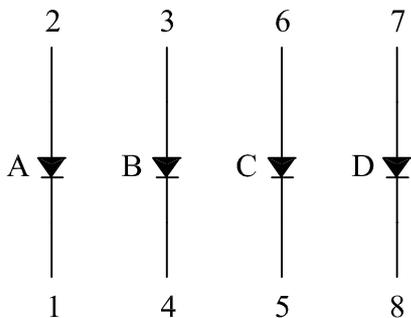
Package Dimensions



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

LB3521-11 NWAK



Pin Function

LB3521-11 NWAK	
Pin No.	Function
1	CATHODE A
2	ANODE A
3	ANODE B
4	CATHODE B
5	CATHODE C
6	ANODE C
7	ANODE D
8	CATHODE D



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Absolute Maximum Ratings at Ta=25°C

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	°C
Storage Temperature Range	Tstg	-40 to +100	°C
Lead Soldering Temp.(1.6mm from seating plane) for 3 seconds		260	°C

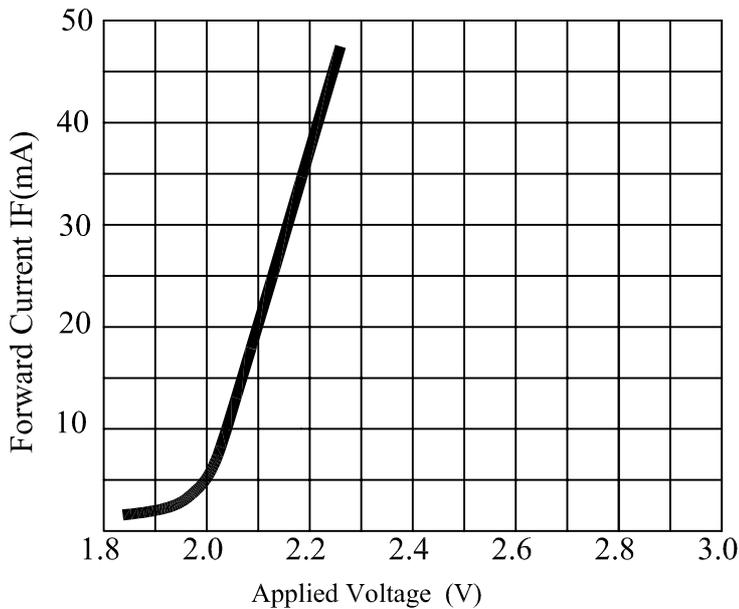
Electrical and Optical Characteristics :

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=10mA	3.7	5.1		mcd
Forward Voltage Per Segment	Vf	If=20mA		2.1	2.6	V
Peak Wavelength	λP	If=20mA		567		nm
	λD			572		
Reverse Current Per Segment	Ir	Vr=5V			100	μA
Spectrum Line Halfwidth	$\Delta\lambda$	If=20mA		30		nm

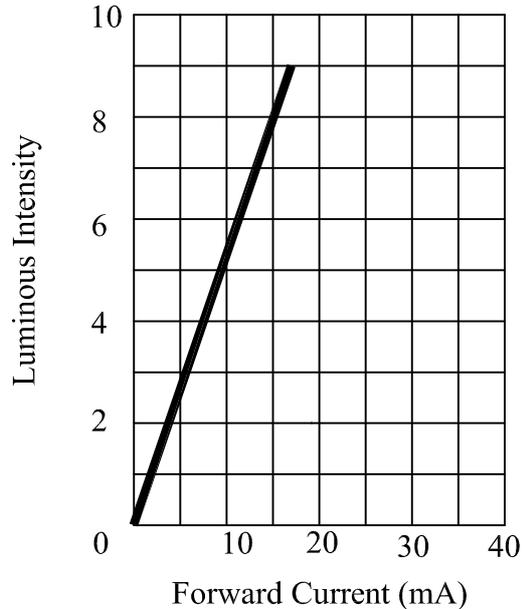


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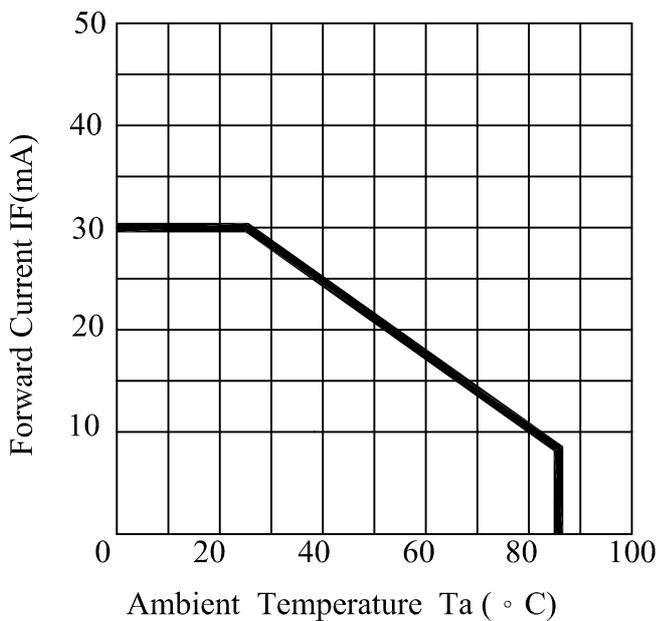
Typical Electrical/Optical Characteristic Curves
(25°C Ambient Temperature Unless Otherwise Noted)



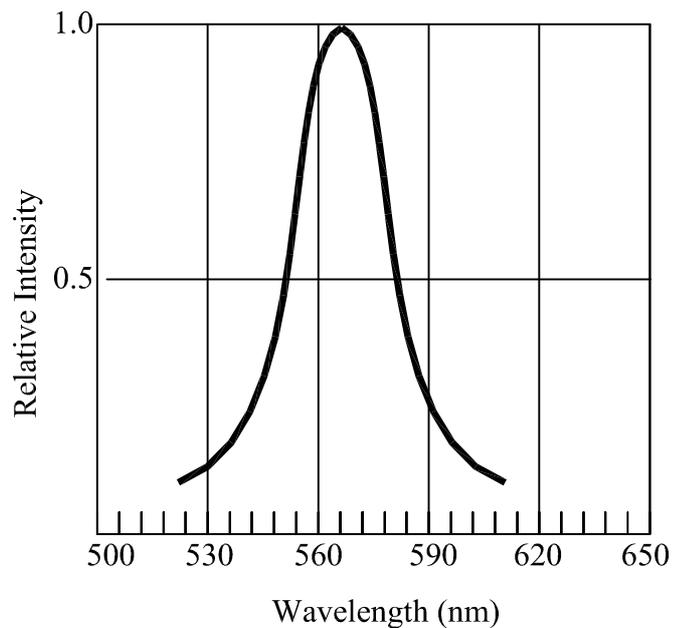
FORWARD CURRENT VS. APPLIED VOLTAGE



LUMINOUS INTENSITY VS. FORWARD CURRENT



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RELATIVE INTENSITY VS. WAVELENGTH