Kingbright

12SEGMENT BAR GRAPH ARRAY

P/N: DD-12GWB

GREEN

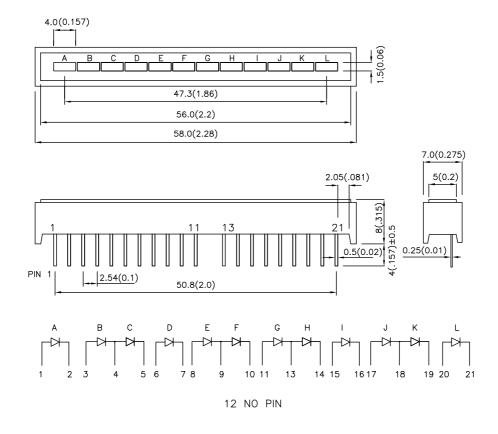
Features

- •SUITABLE FOR LEVEL INDICATORS.
- •LOW CURRENT OPERATION.
- •WIDE VIEWING ANGLE.
- •MECHANICALLY RUGGED.
- •DIFFERENT COLORS IN ONE UNIT AVAILABLE.
- •STANDARD: BLACK FACE, WHITE SEGMENT.
- •RoHS COMPLIANT.

Description

The Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.

Package Dimensions & Internal Circuit Diagram



Notes:

- 1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25 (0.01")$ unless otherwise noted.
- 2. Specifications are subject to change without notice.

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Selection Guide

Part No.	Dice	Lens Type	lv (ucd) @ 10mA		Description
			Min.	Тур.	·
DD-12GWB	GREEN (GaP)	WHITE DIFFUSED	1200	5600	12 Segments Bargraph-Display

Electrical / Optical Characteristics at Ta=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Green	565		nm	IF=20mA
λD	Dominant Wavelength	Green	568		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Green	30		nm	IF=20mA
С	Capacitance	Green	15		pF	VF=0V;f=1MHz
VF	Forward Voltage (Per Segment)	Green	2.2	2.5	V	IF=20mA
lR	Reverse Current (Per Segment)	Green		10	uA	VR = 5V

Absolute Maximum Ratings at TA=25°C

Parameter	Green	Units	
Power dissipation (Per Segment)	105	mW	
DC Forward Current (Per Segment)	25	mA	
Peak Forward Current [1] (Per Segment)	140	mA	
Reverse Voltage (Per Segment)	5	V	
Operating/Storage Temperature	-40°C To +85°C		
Lead Solder Temperature [2]	260°C For 5 Seconds		

Notes

1. 1/10 Duty Cycle, 0.1ms Pulse Width.

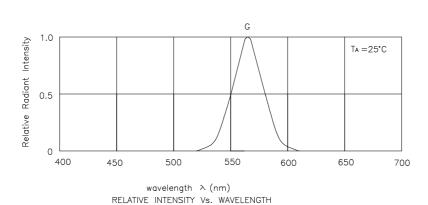
2. 2mm below package base.

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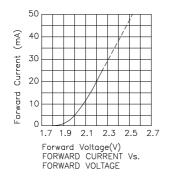
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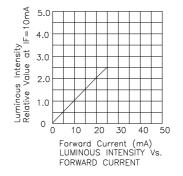
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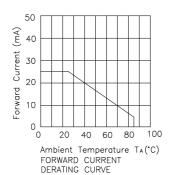


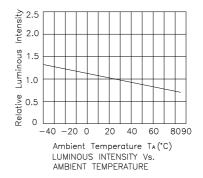
Green

DD-12GWB









Remarks

If special sorting is required (e.g. binning based on forward voltage, Luminous intensity/ luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

- 1. Wavelength: +/-1nm
- 2. Luminous Intensity/ Luminous Flux: +/-15%
- 3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

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