

## 9.9mm (0.39 INCH) 14 SEGMENT SINGLE DIGIT ALPHANUMERIC DISPLAY

PSA39-21GWA

**GREEN** 

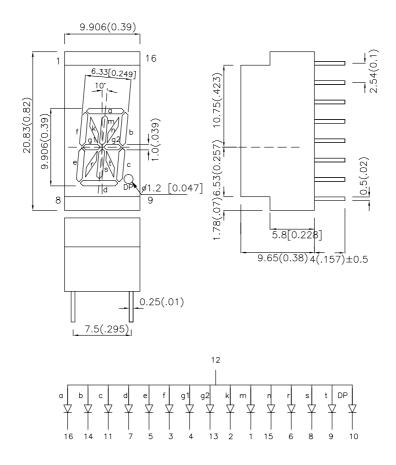
#### **Features**

- ●0.39 INCH CHARACTER HEIGHT.
- •LOW CURRENT OPERATION.
- HIGH CONTRAST AND LIGHT OUTPUT.
- COMMON ANODE AVAILABLE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- •MECHANICALLY RUGGED.
- ●STANDARD : GRAY 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.

SPEC NO: DSAB7377 APPROVED: J. Lu REV NO: V.4 CHECKED: Joe Lee DATE: APR/23/2005 DRAWN: W.J.ZHU PAGE: 1 OF 3 ERP:1311000228

# Kingbright

## **Selection Guide**

Part No.	Dice	Lens Type	Iv (ucd) @ 10mA		Description	
			Min.	Тур.	•	
PSA39-21GWA	GREEN (GaP)	WHITE DIFFUSED	1200	2679	Common Anode ,Rt. Hand Decimal.	

## 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	Green	2.2	2.5	V	IF=20mA
lR	Reverse Current	Green		10	uA	VR = 5V

## Absolute Maximum Ratings at Ta=25°C

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

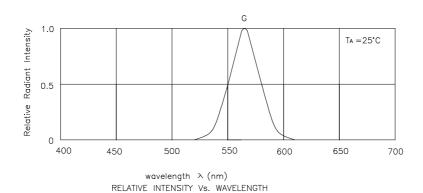
#### Notes

- 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
- 2.5mm below package base.

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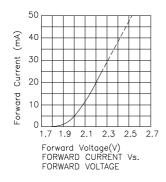
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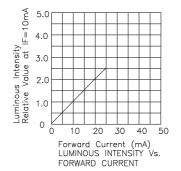
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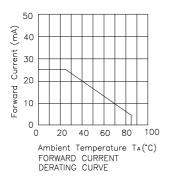


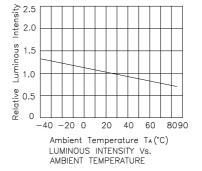
## Green

## PSA39-21GWA









#### Remarks

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

1. Wavelength: +/-1nm

2. Luminous Intensity: +/-15%

3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

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