

## 13.2mm(0.52INCH) SINGLE DIGIT NUMERIC DISPLAY

Part Number: SA52-11GWA

**GREEN** 

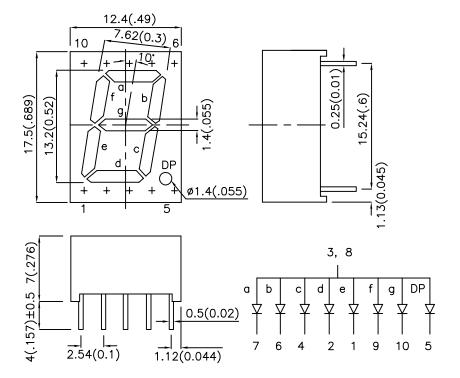
### **Features**

- •0.52 INCH DIGIT HEIGHT.
- •EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- •I.C. COMPATIBLE.
- •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.

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 APPROVED: J. Lu
 CHECKED: Joe Lee
 DRAWN: H.Q.YUAN
 ERP: 1301000503

# **Kingbright**

## **Selection Guide**

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Тур.	
SA52-11GWA	GREEN(GaP)	WHITE DIFFUSED	1900	10500	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 [1]	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 [2]	Forward Voltage	Green	2.2	2.5	V	IF=20mA
lr	Reverse Current	Green		10	uA	VR = 5V

### Notes:

- Wavelength: +/-1nm.
   Forward Voltage: +/-0.1V.

## Absolute Maximum Ratings at Ta=25°C

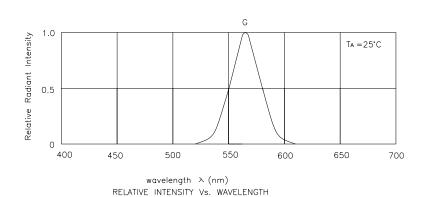
Parameter	Green	Units	
Power dissipation	105	mW	
DC Forward Current	25	mA	
Peak Forward Current [1]	140	mA	
Reverse Voltage	5	V	
Operating/Storage Temperature	-40°C To +85°C		
Lead Solder Temperature [2]	260°C For 3 Seconds		

- 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
- 2. 2mm below package base.

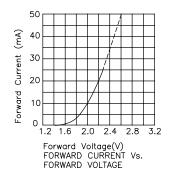
SPEC NO: DSAC0105 **REV NO: V.8** DATE: NOV/02/2006 **PAGE: 2 OF 4** APPROVED: J. Lu **CHECKED:** Joe Lee DRAWN: H.Q.YUAN ERP: 1301000503

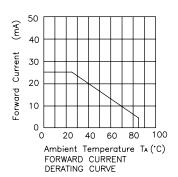
<sup>1.</sup> Luminous Intensity / Luminous Flux: +/-15%.

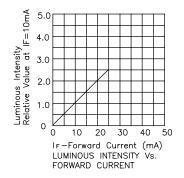
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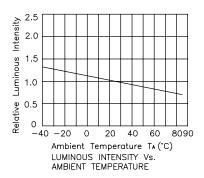


Green SA52-11GWA

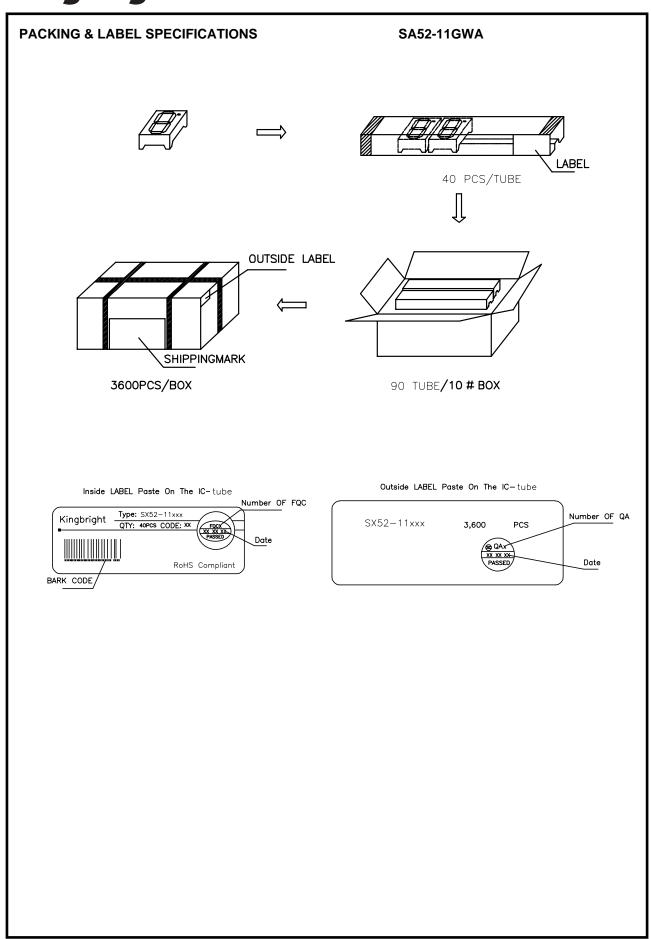








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