

### 14.2mm (0.56INCH) SINGLE DIGIT NUMERIC DISPLAY

Part Number: SC56-11YWA YELLOW

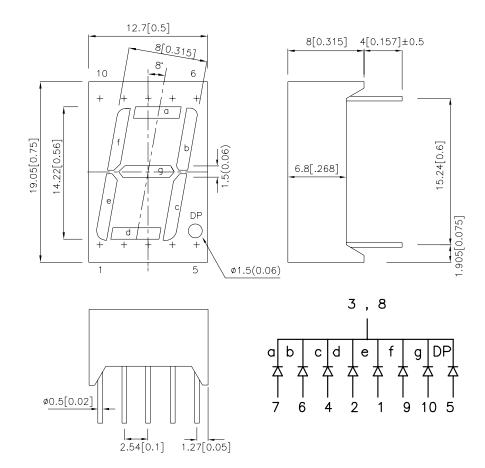
#### **Features**

- •0.56 INCH DIGIT HEIGHT.
- •LOW CURRENT OPERATION.
- •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 Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow 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.
- Specifications are subject to change without notice.

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 REV NO: V.10
 DATE: NOV/02/2006
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 APPROVED: J. Lu
 CHECKED: Joe Lee
 DRAWN: H.Q.YUAN
 ERP: 1301001110

# **Kingbright**

#### **Selection Guide**

Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description
			Min.	Тур.	
SC56-11YWA	YELLOW (GaAsP/GaP)	WHITE DIFFUSED	1200	4700	Common Cathode, Rt. Hand Decimal.

#### Note:

### Electrical / Optical Characteristics at Ta=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Yellow	590		nm	IF=20mA
λD [1]	Dominant Wavelength	Yellow	588		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Yellow	35		nm	IF=20mA
С	Capacitance	Yellow	20		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Yellow	2.1	2.5	V	IF=20mA
IR	Reverse Current	Yellow		10	uA	VR = 5V

#### Notes:

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

#### Absolute Maximum Ratings at Ta=25°C

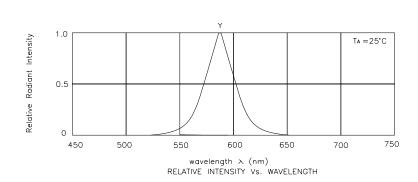
Parameter	Yellow	Units		
Power dissipation	105	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	140	mA		
Reverse Voltage	5	V		
Operating / Storage Temperature	-40°C To +85°C			
Lead Solder Temperature [2]	260°C For 3 Seconds			

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

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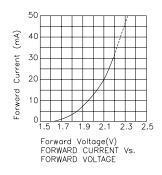
<sup>1.</sup> Luminous Intensity / Luminous Flux: +/-15%.

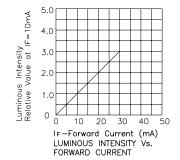
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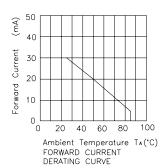


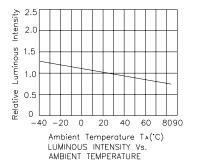
Yellow

#### **SC56-11YWA**





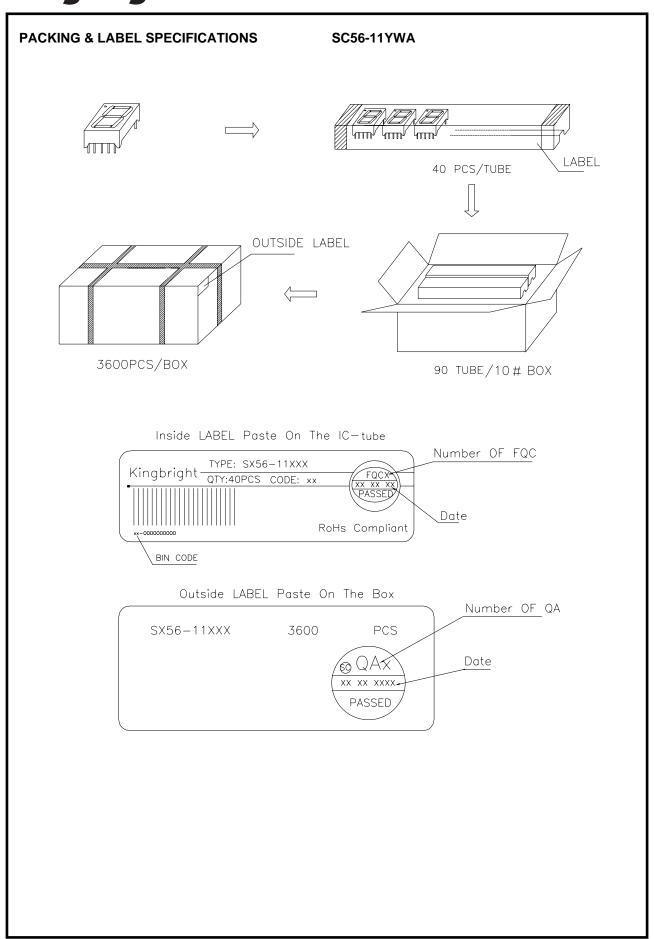




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