

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

PSC39-21YWA

YELLOW

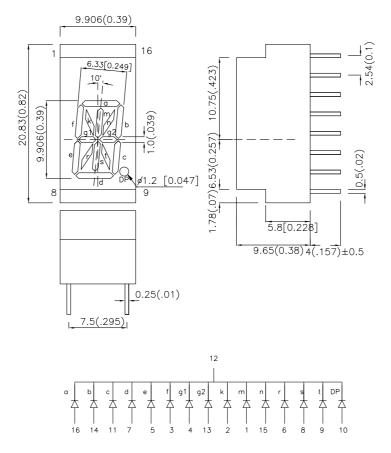
#### **Features**

- ●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 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.

2. Specifications are subject to change without notice.

SPEC NO: DSAD2379 APPROVED: J. Lu REV NO: V.2 CHECKED: Joe Lee DATE: APR/23/2005 DRAWN: W.J.ZHU PAGE: 1 OF 3 ERP:1311000230

# Kingbright

#### **Selection Guide**

Part No.	Dice	Lens Type		icd) DmA	Description	
			Min.	Тур.	·	
PSC39-21YWA	YELLOW (GaAsP/GaP)	WHITE DIFFUSED	480	1278	Common Cathode ,Rt. Hand Decimal.	

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

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Yellow	590		nm	IF=20mA
λD	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	Forward Voltage	Yellow	2.1	2.5	V	IF=20mA
IR	Reverse Current	Yellow		10	uA	VR = 5V

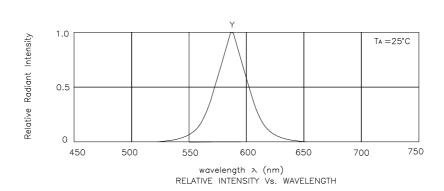
### Absolute Maximum Ratings at Ta=25°C

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 5 Seconds			

- 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
   2. 5mm below package base.

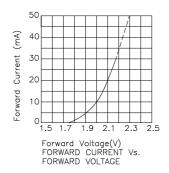
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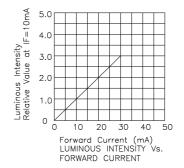
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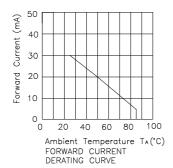


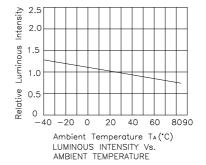
Yellow

### PSC39-21YWA









#### 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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