

### 7.62mm (0.3INCH) DUAL DIGIT NUMERIC DISPLAY

PRELIMINARY SPEC



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Part Number: DA03-11PBWA/A Blue

#### **Features**

- 0.3 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- TWO DIGIT PACKAGE SIMPLIFIES ALIGNMENTS & AS SEMBLY.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.

#### **Description**

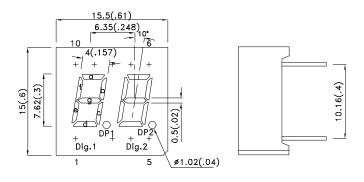
The Blue source color devices are made with InGaN on SiC Light Emitting Diode.

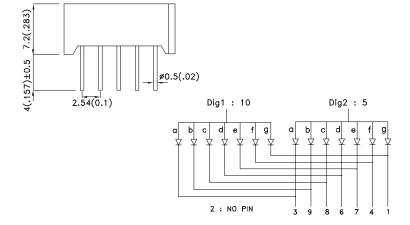
Static electricity and surge damage the LEDS.

It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

#### **Package Dimensions& Internal Circuit Diagram**





#### Notes

1. All dimensions are in millimeters (inches), Tolerance is ±0.25(0.01")unless otherwise noted.

2. Specifications are subject to change without notice.





 SPEC NO: DSAF0396
 REV NO: V.4
 DATE: AUG/25/2007
 PAGE: 1 OF 4

 APPROVED: WYNEC
 CHECKED: Joe Lee
 DRAWN: W.J.Zhu
 ERP: 1302000661

# Kingbright

### **Selection Guide**

	Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description	
				Min.	Тур.	· I	
DA03-1	1PBWA/A	Blue (InGaN)	WHITE DIFFUSED	800	2720	Common Anode	

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

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Blue	468		nm	IF=20mA
λD [1]	Dominant Wavelength	Blue	470		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Blue	21		nm	IF=20mA
С	Capacitance	Blue	100		pF	V <sub>F</sub> =0V;f=1MHz
VF [2]	Forward Voltage	Blue	3.2	4.0	V	IF=20mA
lR	Reverse Current	Blue		10	uA	V <sub>R</sub> =5V

#### Notes:

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

Parameter	Blue	Units		
Power dissipation	120	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	100	mA		
Reverse Voltage	5	V		
Operating / Storage Temperature	-40°C To +85°C			
Lead Solder Temperature[2]	260°C For 3-5 Seconds			

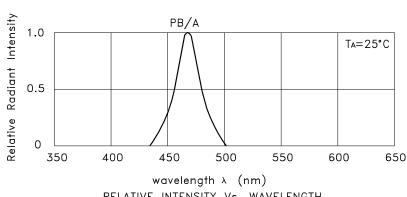
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
 2. 2mm below package base.

PAGE: 2 OF 4 SPEC NO: DSAF0396 **REV NO: V.4** DATE: AUG/25/2007 APPROVED: WYNEC **CHECKED:** Joe Lee DRAWN: W.J.Zhu ERP: 1302000661

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

<sup>1.</sup>Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

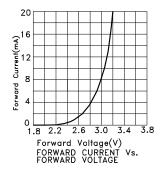
## Kingbright

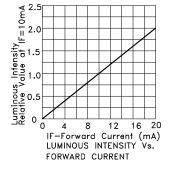


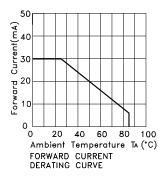
RELATIVE INTENSITY Vs. WAVELENGTH

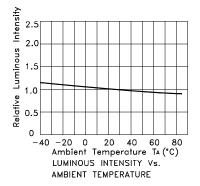
**Blue** 

#### DA03-11PBWA/A









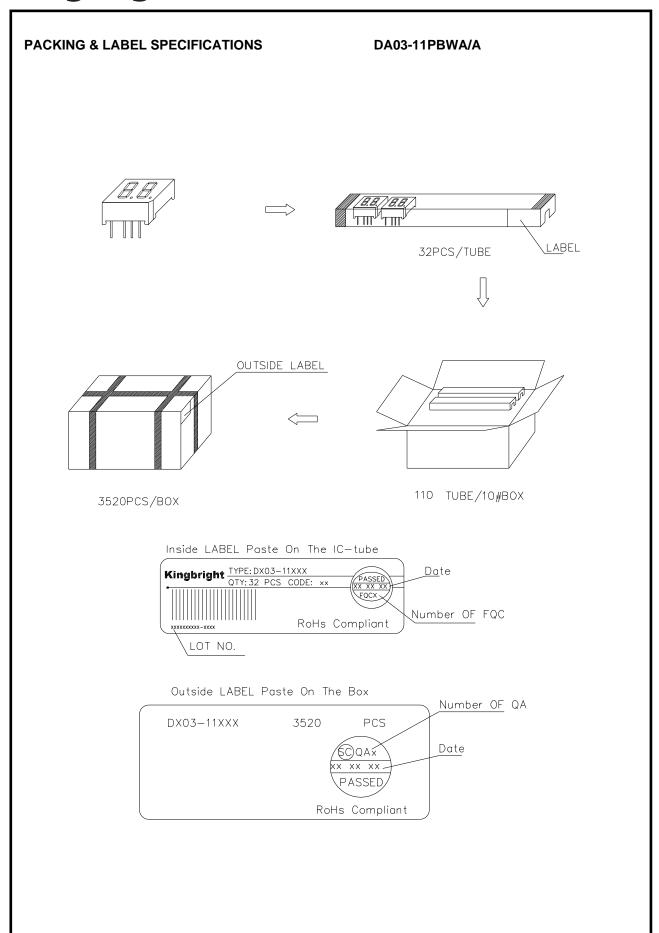
SPEC NO: DSAF0396 APPROVED: WYNEC

**REV NO: V.4 CHECKED:** Joe Lee DATE: AUG/25/2007 DRAWN: W.J.Zhu

PAGE: 3 OF 4

ERP: 1302000661

## **Kingbright**



SPEC NO: DSAF0396 APPROVED: WYNEC REV NO: V.4 CHECKED: Joe Lee DATE: AUG/25/2007 DRAWN: W.J.Zhu PAGE: 4 OF 4 ERP: 1302000661