

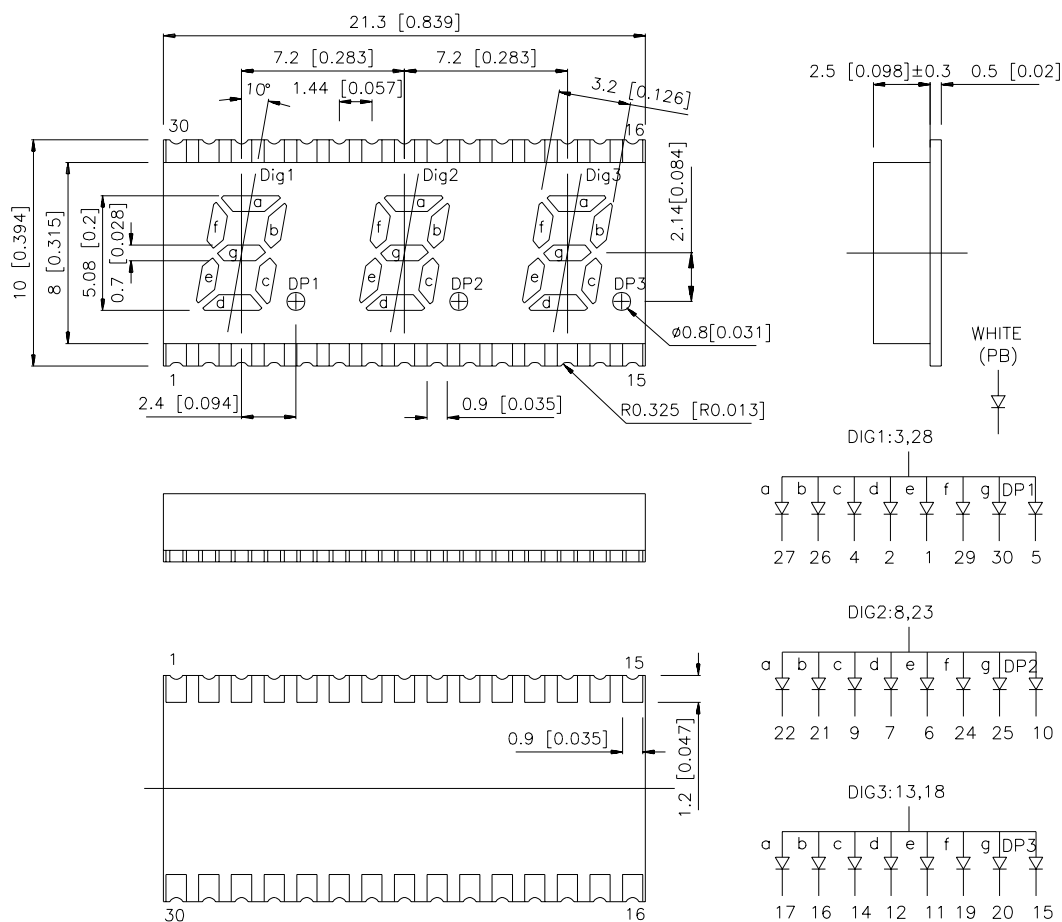
## Features

- 0.2INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- I.C. COMPATIBLE
- MECHANICALLY RUGGED.
- GRAY FACE, YELLOW FLUORESCENT SEGMENT.
- PACKAGE : 1000PCS / REEL.

### Description

The source color devices are made with InGaN on SiC 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.

## Selection Guide

| Part No.      | Dice         | Lens Type          | Iv (ucd)<br>@ 20mA |       | Description                       |
|---------------|--------------|--------------------|--------------------|-------|-----------------------------------|
|               |              |                    | Min.               | Typ.  |                                   |
| APBA02-41PWFA | WHITE(InGaN) | YELLOW FLUORESCENT | 7000               | 44600 | Common Anode, Rt.<br>Hand Decimal |

## Electrical / Optical Characteristics at T<sub>A</sub>=25°C

| Symbol         | Parameter                | Device | Typ. | Max. | Units | Test Conditions            |
|----------------|--------------------------|--------|------|------|-------|----------------------------|
| V <sub>F</sub> | Forward Voltage          | White  | 3.65 | 4.2  | V     | I <sub>F</sub> =20mA       |
| I <sub>R</sub> | Reverse Current          | White  |      | 10   | uA    | V <sub>R</sub> = 5V        |
| X              | Chromaticity Coordinates | White  | 0.33 |      |       |                            |
| Y              |                          |        | 0.34 |      |       |                            |
| C              | capacitance              | White  | 65   |      | pF    | V <sub>F</sub> =0V, f=1MHz |

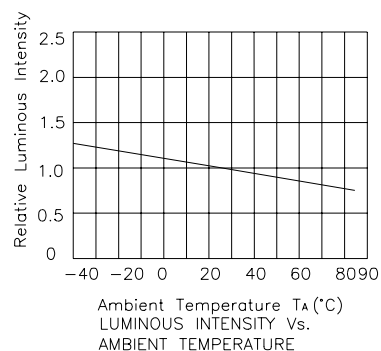
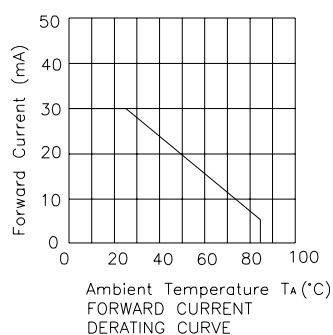
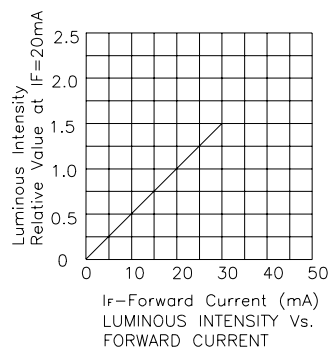
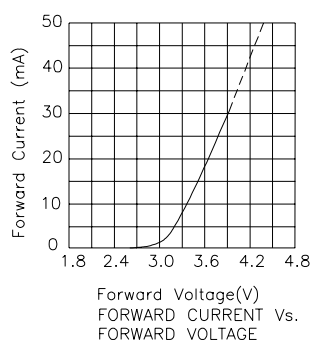
## Absolute Maximum Ratings at T<sub>A</sub>=25°C

| Parameter                       | White          | Units |
|---------------------------------|----------------|-------|
| Power dissipation               | 102            | mW    |
| DC Forward Current              | 30             | mA    |
| Forward Current (Peak)[1]       | 160            | mA    |
| Reverse Voltage                 | 5              | V     |
| Operating / Storage Temperature | -40°C To +85°C |       |

Note:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.

## White APBA02-41PWFA



### APBA02-41PWFA SMT Reflow Soldering Instruction

Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process.

