

APSC04-41MBWA

BLUE

Features

- 0.4INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- I.C. COMPATIBLE
- MECHANICALLY RUGGED.
- GRAY FACE,WHITE SEGMENT.
- PACKAGE:800PCS/REEL.

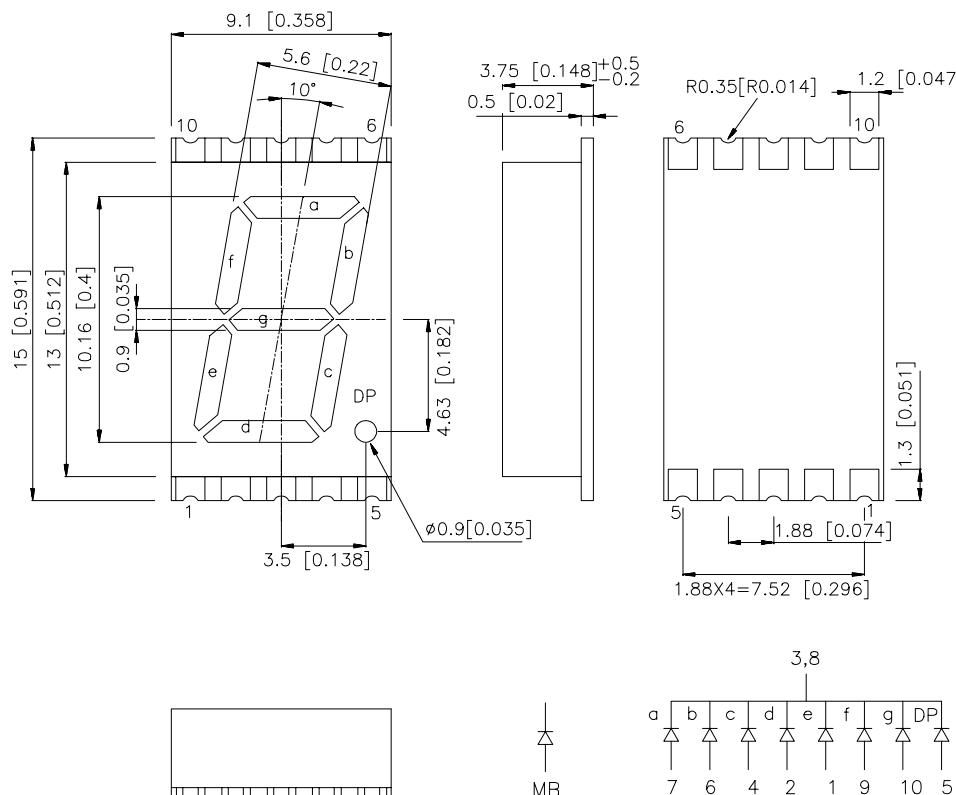
Description

The Blue source color devices are made with GaN 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 $\pm 0.25(0.01)$ "unless otherwise noted.
2. Specifications are subject to change without notice.

Selection Guide

| Part No. | Dice | Lens Type | I _V (ucd) @ 10 mA | | Description |
|---------------|-----------|----------------|---------------------------------|------|---------------------------------|
| | | | Min. | Typ. | |
| APSC04-41MBWA | BLUE(GaN) | WHITE DIFFUSED | 800 | 3600 | Common Cathode,Rt. Hand Decimal |

Electrical / Optical Characteristics at T_A=25°C

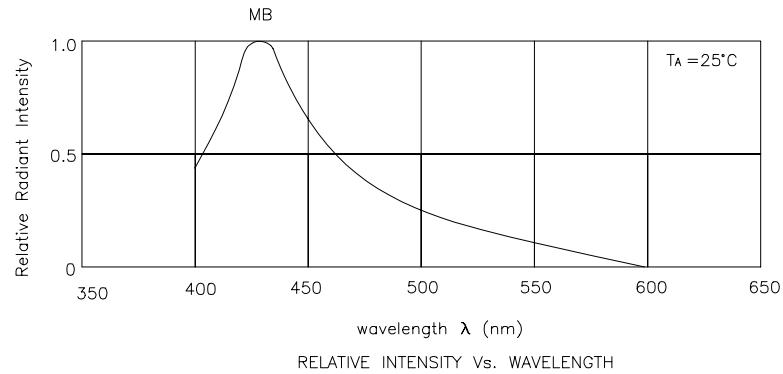
| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|----------------|--------------------------|--------|------|------|-------|---------------------------|
| λpeak | Peak Wavelength | Blue | 430 | | nm | I _F =20mA |
| λ D | Dominate Wavelength | Blue | 466 | | nm | I _F =20mA |
| Δλ1/2 | Spectral Line Half-width | Blue | 60 | | nm | I _F =20mA |
| C | Capacitance | Blue | 100 | | pF | V _F =0V;f=1MHz |
| V _F | Forward Voltage | Blue | 3.8 | 4.5 | V | I _F =20mA |
| I _R | Reverse Current | Blue | | 10 | uA | V _R = 5V |

Absolute Maximum Ratings at T_A=25°C

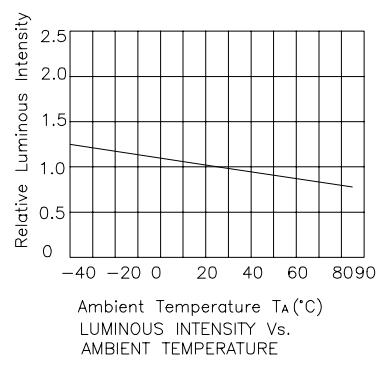
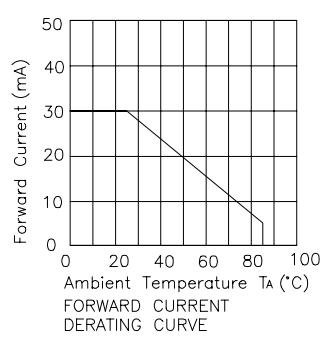
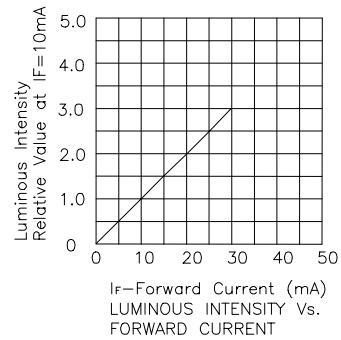
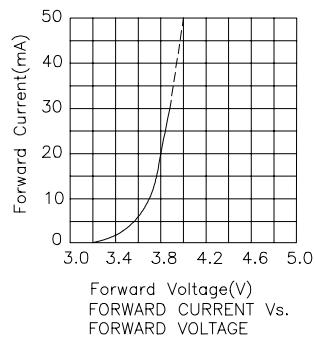
| Parameter | Blue | Units |
|--------------------------|----------------|-------|
| Power dissipation | 105 | mW |
| DC Forward Current | 30 | mA |
| Peak Forward Current [1] | 150 | mA |
| Reverse Voltage | 5 | V |
| Operating Temperature | -40°C To +85°C | |
| Storage Temperature | -40°C To +85°C | |

Note:

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

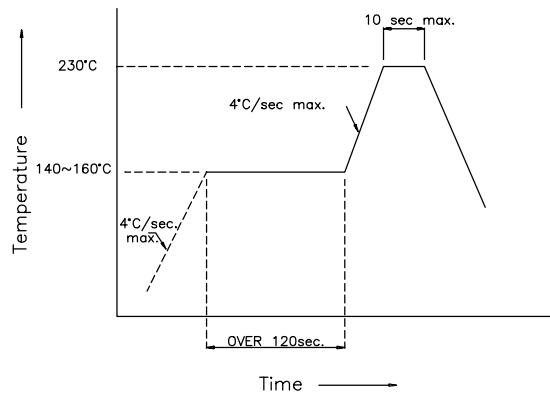


Blue APSC04-41MBWA

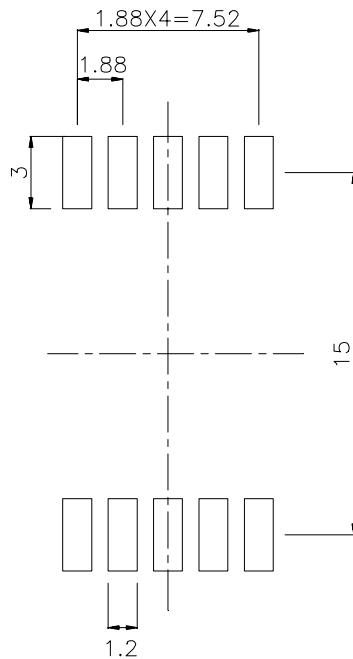


APSC04-41MBWA SMT Reflow Soldering Instructions

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



Recommended Soldering Pattern (Units : mm)



Tape Specifications
(Units : mm)

