



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

SA15-11MBWA

BLUE

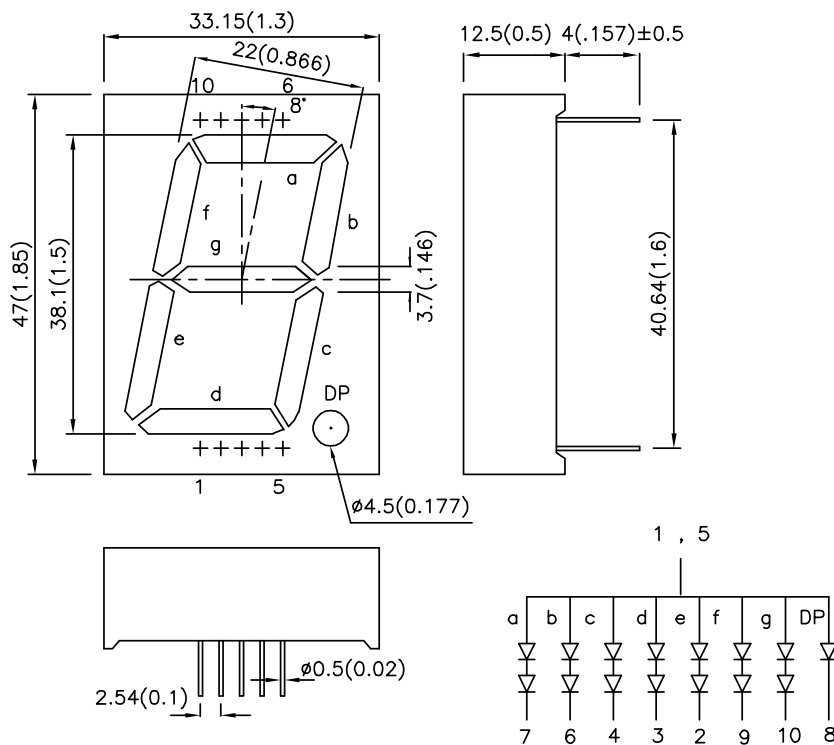
Features

- 1.5 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- HIGH LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- MULTICOLOR AVAILABLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.

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 | Iv (ucd) @ 10mA | | Description |
|-------------|------------|----------------|--------------------|------|---------------------------------|
| | | | Min. | Typ. | |
| SA15-11MBWA | BLUE (GaN) | WHITE DIFFUSED | 1900 | 6414 | Common Anode, Rt. Hand Decimal. |

Electrical / Optical Characteristics at TA=25°C

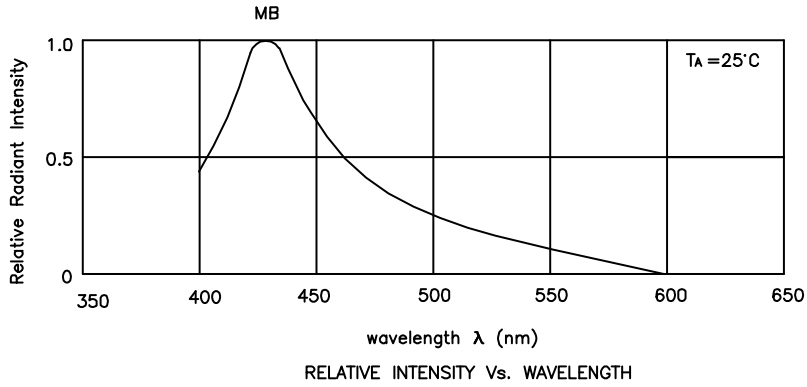
| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|-----------------------|-------------------------------------|--------|--------------|--------------|-------|-----------------|
| λ_{peak} | Peak Wavelength | Blue | 430 | | nm | IF=20mA |
| λ_D | Dominant Wavelength | Blue | 466 | | nm | IF=20mA |
| $\Delta\lambda_{1/2}$ | Spectral Line Half-width | Blue | 60 | | nm | IF=20mA |
| C | Capacitance | Blue | 100 | | pF | VF=0V;f=1MHz |
| VF | Forward Voltage Per Segment or (DP) | Blue | 7.6 (3.8) | 9.0 (4.5) | V | IF=20mA |
| IR | Reverse Current Per Segment or (DP) | Blue | | 10 | uA | VR = 10V(5V) |

Absolute Maximum Ratings at TA=25°C

| Parameter | Blue | Units |
|--|---------------------|-------|
| Power dissipation Per Segment or (DP) | 270(105) | mW |
| DC Forward Current Per Segment or (DP) | 30 | mA |
| Peak Forward Current [1] Per Segment or (DP) | 150 | mA |
| Reverse Voltage Per Segment or (DP) | 10(5) | V |
| Operating/Storage Temperature | -40°C To +85°C | |
| Lead Solder Temperature [2] | 260°C For 3 Seconds | |

Notes:

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



Blue

SA15-11MBWA

