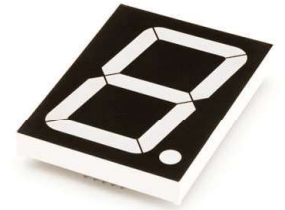


TOS-40101AME-B

Single Digit Display LED



| Part Number | Chip | | Face Color | Segment Color |
|----------------|----------|--------------|------------|---------------|
| | Material | Source Color | | |
| TOS-40101AME-B | AlGaInP | Ultra-orange | Black | White |

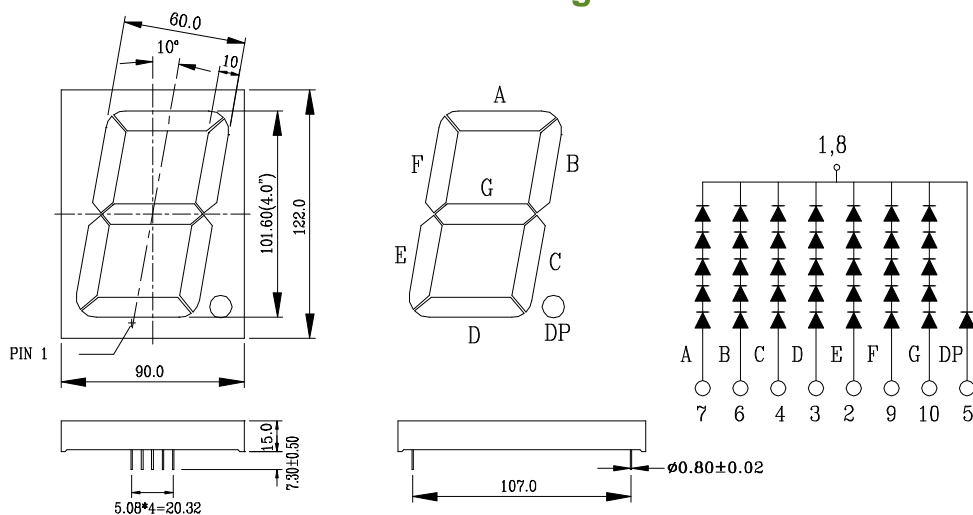
Features

- (4.0") 101.60mm digit height
- Common cathode
- I.C. compatible
- Low power requirement
- RoHS compliant

Applications

- Audio equipment
- Instrument panels
- Digital read out display

Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters, tolerance: ± 0.25 ; Angle: $\pm 0.1^\circ$ unless otherwise noted.
2. Specifications are subject to change without notice.

Absolute Maximum Rating @ Ta=25°C

| Parameter | Maximum Rating | Unit |
|--|-----------------|------|
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 80 | mA |
| Power Dissipation(Except DP) | 375 | mW |
| Continuous Forward Current | 20 | mA |
| Recommend Operating Current | 12 | mA |
| Reverse Voltage(Except DP) | 25 | V |
| Operating Temperature Range | -25°C to +85°C | |
| Storage Temperature Range | -30°C to +85°C | |
| Lead-Free Solder Temperature (1/16 Inch Below Seating Plane) | 260°C for 3 Sec | |

Electrical / Optical Characteristic @ Ta=25°C

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Test Condition | Grade |
|----------------------------------|-------------------|------|------|-------|------|----------------------|-------|
| Luminous Intensity | I _v | | 9185 | | ucd | I _F =10mA | |
| Dominant Emission Wavelength | λ _d | | 623 | | nm | I _F =20mA | |
| Spectral Line Half-Width | Δλ | | 17 | | nm | I _F =20mA | |
| Forward Voltage(Except DP) | V _F | 9.0 | 10.0 | 11.5 | V | I _F =20mA | |
| Reverse Current(Except DP) | I _R | | | 100 | μA | V _R =25V | |
| Luminous Intensity Matching Rate | I _v -m | | | 2.0:1 | | I _F =20mA | |