

TOS-1106FMEMG-B

Single Digit Display LED

| Part Number | Chip | | Face Color | Segment Color |
|-----------------|----------|----------------------------|------------|---------------|
| | Material | Source Color | | |
| TOS-1106FMEMG-B | AlGaInP | Ultra-orange / Ultra-green | Black | White |

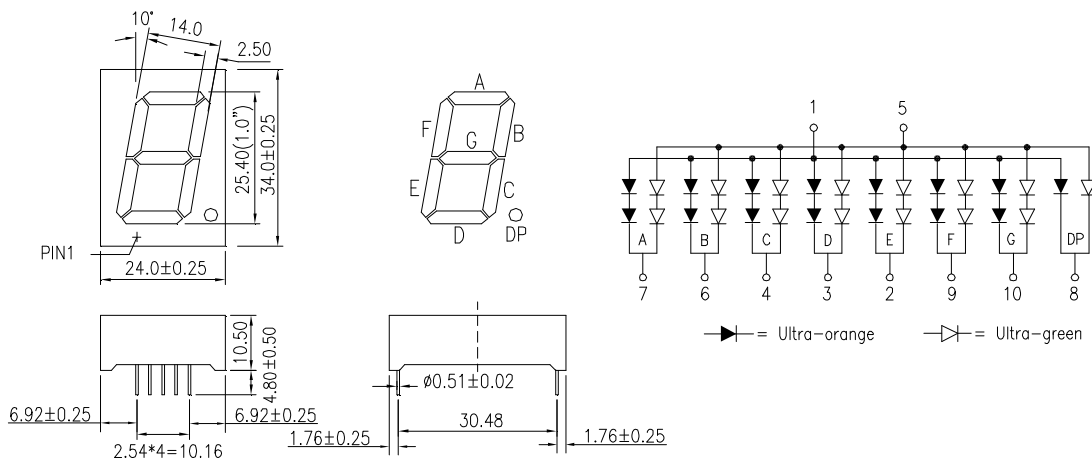
Features

- (1.00") 25.40mm digit height
- Common anode
- 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) | 150 | mW |
| Continuous Forward Current | 20 | mA |
| Recommend Operating Current | 12 | mA |
| Reverse Voltage ⁹ (Except DP) | 10 | 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 5 Sec | |

Electrical / Optical Characteristic @ Ta=25°C

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Test Condition | Grade |
|----------------------------------|-------------------|------|------|-------|------|----------------------|-------|
| Luminous Intensity | I _v | 17.5 | 26.5 | --- | mcd | I _F =10mA | |
| Dominant Wavelength (ME) | λ _d | 620 | 623 | 625 | nm | I _F =20mA | |
| Dominant Wavelength (MG) | λ _d | 568 | 570 | 572 | nm | I _F =20mA | |
| Spectral Line Half-Width(ME) | Δλ | | 17 | | nm | I _F =20mA | |
| Spectral Line Half-Width (MG) | Δλ | | 15 | | nm | I _F =20mA | |
| Forward Voltage (Except DP) | V _F | 3.6 | 4.0 | 4.6 | V | I _F =20mA | |
| Reverse Current (Except DP) | I _R | | | 20 | μA | V _R =10V | |
| Luminous Intensity Matching Rate | I _v -m | | | 2.0:1 | | I _F =20mA | |

The DISPLAYS should be kept at 30°C or less and 60%RH or less. The DISPLAYS should be used within one year.