



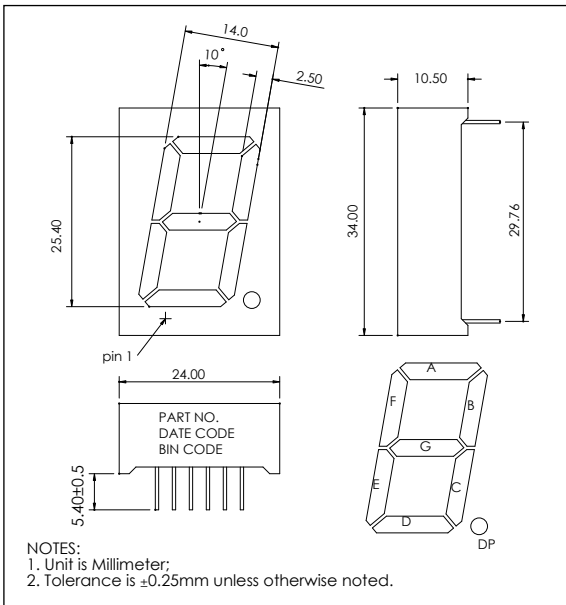
1.0" Single Digit Numeric Full Color LED Display

1.0" (25.4mm) digit height

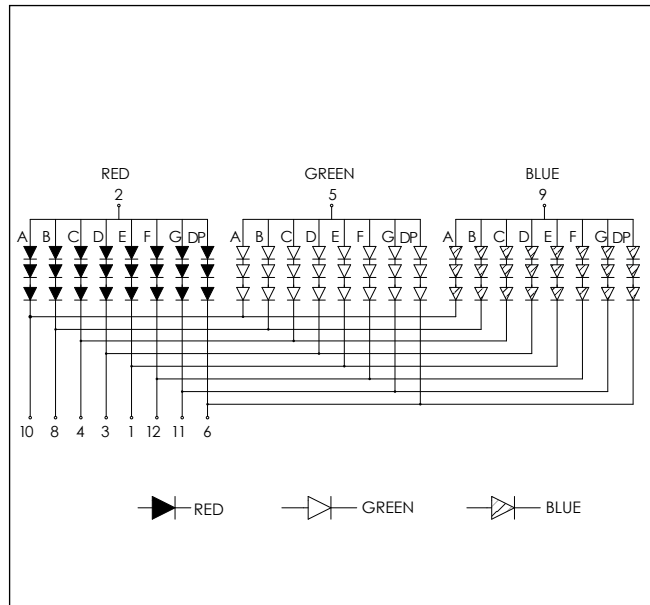
● **ABSOLUTE MAXIMUM RATINGS : (Ta=25°C)**

| PARAMETER | RED | BLUE | GREEN | UNIT |
|--|-----------------|------|-------|-------|
| Power Dissipation Per Seg | 36 | 60 | 60 | mW |
| Peak Forward Current Per Seg (1/10 Duty Cycle, 0.1ms Pulse Width) | 100 | 120 | 120 | mA |
| Continuous Forward Current Per Seg | 25 | 33 | 30 | mA |
| Derating Linear From 25°C Per Seg | 0.33 | 0.42 | 0.42 | mA/°C |
| Reverse Voltage Per Seg | 5 | 5 | 5 | v |
| Electrostatic Discharge(Note1) | | 150 | 150 | v |
| Operating Tem Range | -35°C to + 85°C | | | |
| Storage Tem Range | -35°C to + 85°C | | | |
| Solder Tem 1/16 inch Below Seating Plane at 260°C for 3 seconds | | | | |

● PACKAGE DIMENSIONS



● INTERNAL CIRCUIT DIAGRAM



● ELECTRICAL/OPTICAL CHARACTERISTICS

| PART NO. | COLOR | λ_p/λ_d (nm) | Half-Spectral Width($\Delta\lambda$) | Description | AVERAGE LUMINOUS INTENSITY | | | FORWARD VOLTAGE | |
|------------|-------------|-------------------------------|---|-------------|----------------------------|-----------|----------|-----------------|----------|
| | | | | | Min.(mcd) | Typ.(mcd) | @ IF(mA) | Typ.(V) | @ IF(mA) |
| SA0DFC3... | SUPER RED | 632/624 | 15 | CA | 12.0 | 30.0 | 10 | 2.1 | 20 |
| | SUPER GREEN | */525 | 25 | | 20 | 50 | 10 | 3.5 | 20 |
| | BLUE | */470 | 26 | | 12 | 30 | 10 | 3.5 | 20 |

Note. 1: HBM, Human Body Model; Seller gives no other assurances regarding the ability of products to withstand ESD.

Caution in ESD: Static Electricity and surge damages the LED. It is recommend to us a wrist band or antielectrostatic glove when handing the LED. All devices equipment and machinery must be properly grounded.