



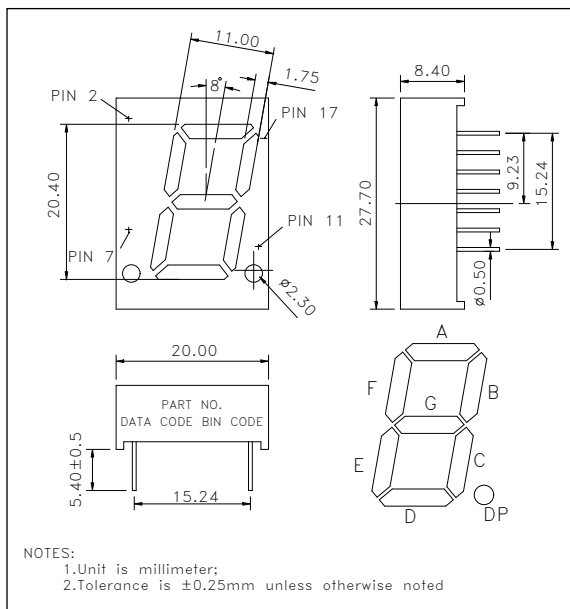
0.80" Single Digit Numeric Dual Color LED Display

0.80" (20.40mm) digit height

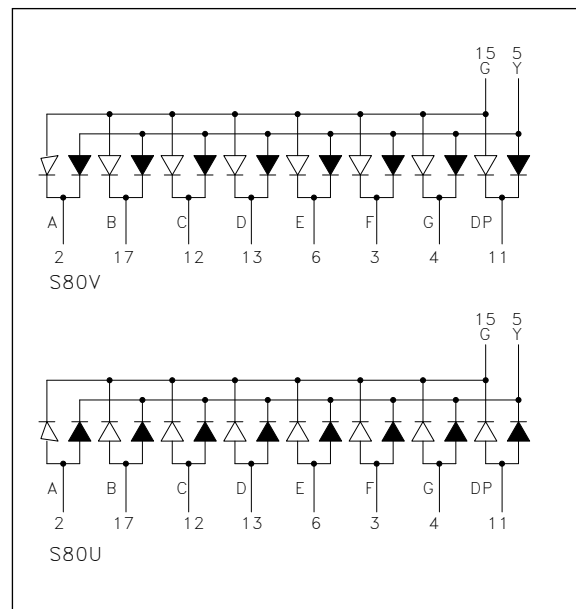
• ABSOLUTE MAXIMUM RATINGS : (Ta=25°C)

| PARAMETER | SR RED | RED ORANGE | GREEN | UNIT |
|--|-----------------|------------|-------|-------|
| Power Dissipation Per Seg | 72 | 65 | 65 | mW |
| Peak Forward Current Per Seg (1/10 Duty Cycle, 0.1ms Pulse Width) | 125 | 100 | 100 | mA |
| Continuous Forward Current Per Seg | 30 | 25 | 25 | mA |
| Derating Linear From 25°C Per Seg | 0.42 | 0.33 | 0.33 | mA/°C |
| Reverse Voltage Per Seg | 5 | 5 | 5 | 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) |
| S80V0YG... | GREEN | 568/570 | 30 | CA | 1.6 | 4.0 | 10 | 2.1 | 20 |
| | YELLOW | 589/590 | 35 | | 1.6 | 4.0 | 10 | 2.1 | 20 |
| S80V0SU... | GREEN | 568/570 | 30 | CA | 1.6 | 4.0 | 10 | 2.1 | 20 |
| | SR RED | 660/643 | 20 | | 2.4 | 6.0 | 10 | 1.8 | 20 |

Notes : These components are also available in :

- Low Current
- InGaN high intensity blue, blue-green, green, white are available