



PD42 Three Digit 7 Segment 0.56" Display

Features

- *3 Digit .56" (14.22mm) Red Display
- *Multiplex Drive with 12 Pins
- *Low Current Requirements
- *High Uniform Light Output
- *IC Compatible
- *High Reliability
- *Gray Face, White Segments
- *RoHS Compliant

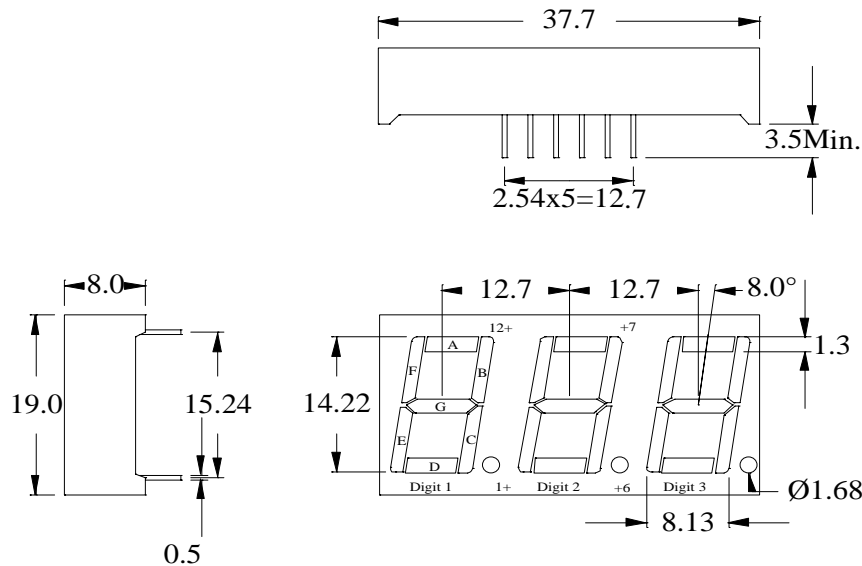
Absolute Maximum Ratings at T_A = 25° C

| | |
|---|--------------------|
| Power Dissipation..... | 90mA |
| Reverse Voltage Per LED Chip (<100μA)..... | 5.0V |
| Max Forward Current Per LED Chip..... | 30mA |
| Peak Froward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 100mA |
| Operating Temperature Range | -25°C to + 85°C |
| Storage Temperature Range | -40°C to +100°C |
| Soldering Temperature (1.6mm from seating plane) | 260° for 5 seconds |

Electrical & Optical Characteristics at T_A = 25 °C

| Part Number | | Emitting Color | Chip Material | Dominant Wave Length | Peak Wave Length | Forward Voltage @20mA (V) | | Luminous Intensity @10mA (mcd) | |
|--------------|----------------|----------------|---------------|----------------------|------------------|---------------------------|-----|--------------------------------|-----|
| | | | | | | Typ | Max | Min | Typ |
| Common Anode | Common Cathode | | | nm | nm | | | | |
| PD42-CAMR24 | PD42-CCMR24 | Red | GaP | 650 | 700 | 2.1 | 3.0 | 1.0 | 2.0 |

Package dimensions All dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified. The Slope Angle of any Pin maybe ± 5.0° max.



| Function of Pin # | |
|-------------------------|---------------------------|
| Common Anode | Common Cathode |
| 1 Cathode E | 1 Anode E |
| 2 Cathode D | 2 Anode D |
| 3 Cathode DP | 3 Anode DP |
| 4 Cathode C | 4 Anode C |
| 5 Cathode G | 5 Anode G |
| 6 No Connection | 6 No Connection |
| 7 Cathode B | 7 Anode B |
| 8 Common Anode Digit 3 | 8 Common Cathode Digit 3 |
| 9 Common Anode Digit 2 | 9 Common Cathode Digit 2 |
| 10 Cathode F | 10 Anode F |
| 11 Cathode A | 11 Anode A |
| 12 Common Anode Digit 1 | 12 Common Cathode Digit 1 |