



PDT51SM Series Single Digit 7 Segment SMD Display 0.51"

Features

- *Surface Mount Device 0.56" (13mm) Digit Height
- *AlInGaP Ultra Bright Red Chips used
- *Low Current Requirements
- *Uniform Light Output
- *IC Compatible
- *High Reliability
- *Gray Face, White Segments
- *Tape & Reel 1k pcs
- *RoHS Compliant

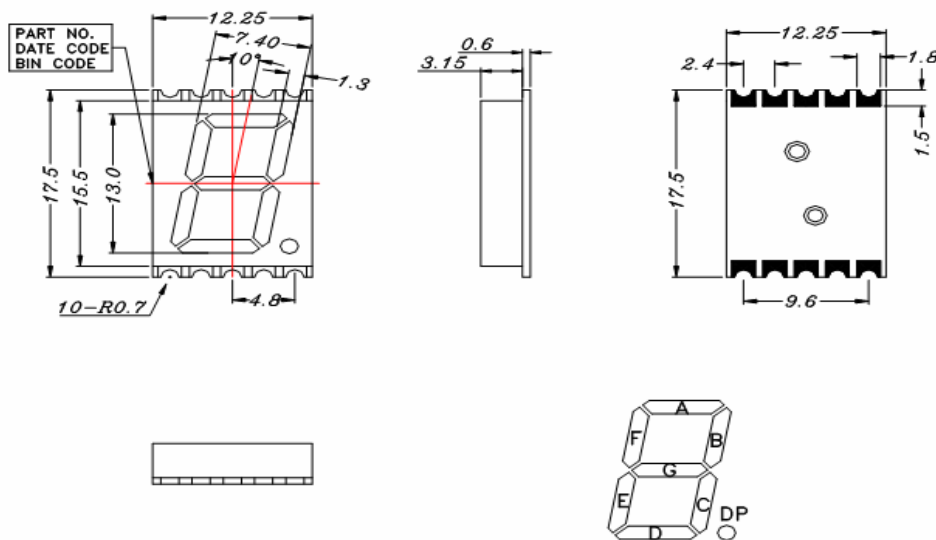
Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Power Dissipation per Segment.....	65mW
Reverse Voltage (<100 μA).....	5.0V
Max Forward Current.....	25mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width).....	100mA
Operating Temperature Range.....	-40°C to $+105^\circ\text{C}$
Storage Temperature Range.....	-40°C to $+105^\circ\text{C}$
Soldering Temperature (1.6mm below body).....	260°C for 10 seconds

Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

Part Number		Emitting Color	Chip Material	Dominant Wave Length	Peak Wave Length	Forward Voltage @20mA (V)		Luminous Intensity @10mA (mcd)	
Common Anode	Common Cathode			nm	nm	Typ	Max	Min	Typ
PDT51SM-CADR09	PDT51SM-CCDR09	Hyper Red	AlInGaP	624	634	2.0	2.6	7.0	16.0

All Dimensions are in **Millimeters**. Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified.



Pin Function

Common Anode Pin #	Common Cathode Pin #
1 Cathode E	1 Anode E
2 Cathode D	2 Anode D
3 Com Anode	3 Com Cathode
4 Cathode C	4 Anode C
5 Cathode DP	5 Anode DP
6 Cathode B	6 Anode B
7 Cathode A	7 Anode A
8 Com Anode	8 Com Cathode
9 Cathode F	9 Anode F
10 Cathode G	10 Anode G