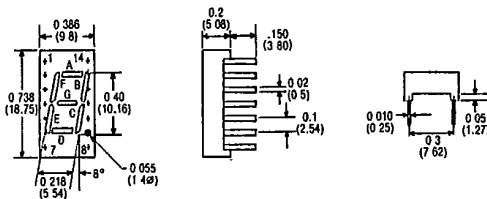


SINGLE DIGIT SEVEN SEGMENT DISPLAY

T-41.33

0.4" DIGIT SIZE - R.H.D.P.

| PART NO. | PEAK WAVE-LENGTH λ_p (nm) | EMITTED COLOR | MAXIMUM RATINGS | | | | | OPTO-ELECTRICAL CHARACTERISTICS | | | | | | Pin-Out | |
|-------------|--------------------------------------|---------------|-----------------|-----------|------------|----------------|----------------|---------------------------------|------|------|------------------|---------|-------------------|---------|------|
| | | | I_F (mA) | V_R (V) | P_D (mW) | T_{opr} (°C) | T_{stg} (°C) | V_F (V) | | | I_R (μ A) | | I_V (μ cd) | | |
| | | | | | | | | typ. | max. | @ mA | max. | @ V_R | typ. per seg. | | @ mA |
| MTN1140-ASR | 655 | Red | 25 | 3 | 100 | -40 ~ 85 | -55 ~ 100 | 1.7 | 2.0 | 20 | 100 | 3 | 480 | 10 | 1 |
| MTN2140-AG | 567 | Green | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 20 | 100 | 5 | 1800 | 10 | 1 |
| MTN4140-AO | 635 | Orange | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 20 | 100 | 5 | 1950 | 10 | 1 |
| MTN4140-AHR | 635 | Hi-Eff Red | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 20 | 100 | 5 | 1950 | 10 | 1 |
| MTN1140-CSR | 655 | Red | 25 | 3 | 100 | -40 ~ 85 | -55 ~ 100 | 1.7 | 2.0 | 20 | 100 | 3 | 480 | 10 | 2 |
| MTN2140-CG | 567 | Green | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 20 | 100 | 5 | 1800 | 10 | 2 |
| MTN4140-CO | 635 | Orange | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 20 | 100 | 5 | 1950 | 10 | 2 |
| MTN4140-CHR | 635 | Hi-Eff Red | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 20 | 100 | 5 | 1950 | 10 | 2 |



PINOUT 1

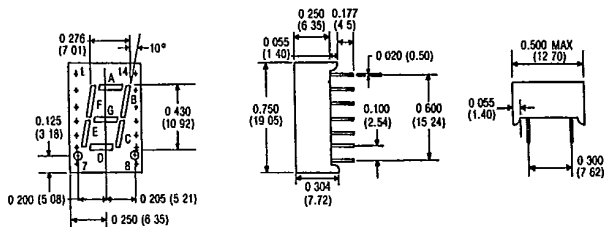
- PIN # FUNCTION
1. CATHODE A
 2. CATHODE F
 3. ANODE DIGIT & DP
 4. NO PIN
 5. NO PIN
 6. NO CONNECTION
 7. CATHODE E
 8. CATHODE D
 9. CATHODE RHDP
 10. CATHODE C
 11. CATHODE G
 12. NO PIN
 13. CATHODE B
 14. ANODE DIGIT & DP

PINOUT 2

- PIN # FUNCTION
1. ANODE F
 2. ANODE G
 3. NO PIN
 4. COMMON CATHODE
 5. NO PIN
 6. ANODE E
 7. ANODE D
 8. ANODE C
 9. ANODE DP
 10. NO PIN
 11. NO CONNECTION
 12. COMMON CATHODE
 13. ANODE B
 14. ANODE A

0.43" DIGIT SIZE - R.H./L.H.D.P.

| PART NO. | PEAK WAVE-LENGTH λ_p (nm) | EMITTED COLOR | MAXIMUM RATINGS | | | | | OPTO-ELECTRICAL CHARACTERISTICS | | | | | | Pin-Out | |
|-------------|--------------------------------------|---------------|-----------------|-----------|------------|----------------|----------------|---------------------------------|------|------|------------------|---------|-------------------|---------|------|
| | | | I_F (mA) | V_R (V) | P_D (mW) | T_{opr} (°C) | T_{stg} (°C) | V_F (V) | | | I_R (μ A) | | I_V (μ cd) | | |
| | | | | | | | | typ. | max. | @ mA | max. | @ V_R | typ. per seg. | | @ mA |
| MTN1143-ASR | 655 | Red | 25 | 3 | 100 | -40 ~ 85 | -55 ~ 100 | 1.7 | 2.0 | 20 | 100 | 3 | 480 | 10 | 1 |
| MTN2143-AG | 567 | Green | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 20 | 100 | 5 | 1800 | 10 | 1 |
| MTN4143-AO | 635 | Orange | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 20 | 100 | 5 | 1950 | 10 | 1 |
| MTN4143-AHR | 635 | Hi-Eff Red | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 20 | 100 | 5 | 1950 | 10 | 1 |
| MTN1143-CSR | 655 | Red | 25 | 3 | 100 | -40 ~ 85 | -55 ~ 100 | 1.7 | 2.0 | 20 | 100 | 3 | 480 | 10 | 2 |
| MTN2143-CG | 567 | Green | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 20 | 100 | 5 | 1800 | 10 | 2 |
| MTN4143-CO | 635 | Orange | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 20 | 100 | 5 | 1950 | 10 | 2 |
| MTN4143-CHR | 635 | Hi-Eff Red | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 20 | 100 | 5 | 1950 | 10 | 2 |



PINOUT 1

- PIN # FUNCTION
1. CATHODE A
 2. CATHODE F
 3. COMMON ANODE
 4. NO PIN
 5. NO PIN
 6. CATHODE LHDP
 7. CATHODE E
 8. CATHODE D
 9. CATHODE RHDP
 10. CATHODE C
 11. CATHODE G
 12. NO PIN
 13. CATHODE B
 14. COMMON ANODE

PINOUT 2

- PIN # FUNCTION
1. ANODE A
 2. ANODE F
 3. COMMON CATHODE
 4. NO PIN
 5. NO PIN
 6. ANODE LHDP
 7. ANODE E
 8. ANODE D
 9. ANODE RHDP
 10. ANODE C
 11. ANODE G
 12. NO PIN
 13. ANODE B
 14. COMMON CATHODE