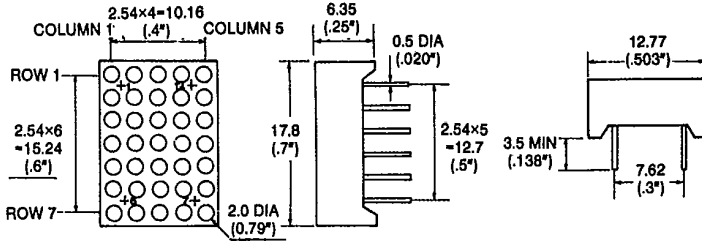


DOT MATRIX DISPLAY

0.68" DIGIT SIZE - 5x7

T-41-35

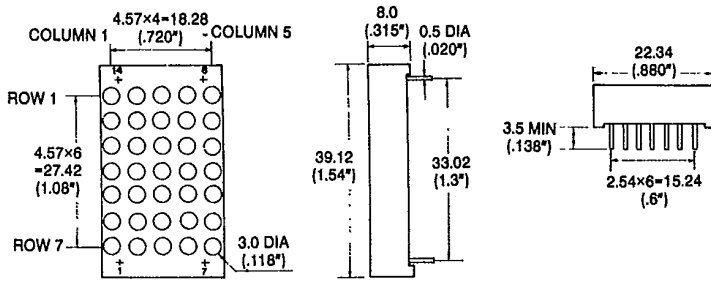
| PART NO. | PEAK WAVE-LENGTH λ_P (nm) | EMITTED COLOR | MAXIMUM RATINGS | | | | | OPTO-ELECTRICAL CHARACTERISTICS | | | | | Pin-Out |
|---------------|--------------------------------------|---------------|-----------------|-----------|------------|----------------|----------------|---------------------------------|------|--------------------|-----------------------------|------------|---------|
| | | | I_F (mA) | V_R (V) | P_D (mW) | T_{opr} (°C) | T_{atg} (°C) | $V_F@20mA(V)$ | | $V_R@100\mu A$ (V) | I_y per seg. (μcd) | I_F (mA) | |
| | | | | | | | | typ. | max. | | | | |
| MTAN2170-12A | 567 | Green | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 5 | 1850 | 10 | 1 |
| MTAN4170-12A | 635 | Orange | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 5 | 2000 | 10 | 1 |
| MTAN4170R-12A | 635 | Hi-Eff Red | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 5 | 2000 | 10 | 1 |
| MTAN2170-22C | 567 | Green | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 5 | 1850 | 10 | 2 |
| MTAN4170-22C | 635 | Orange | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 5 | 2000 | 10 | 2 |
| MTAN4170R-22C | 635 | Hi-Eff Red | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 5 | 2000 | 10 | 2 |



| PINOUT 1 | | PINOUT 2 | |
|----------|----------------|----------|------------------|
| PIN NO. | FUNCTION | PIN NO. | FUNCTION |
| 1. | ANODE COLUMN 1 | 1. | CATHODE COLUMN 1 |
| 2. | CATHODE ROW 3 | 2. | ANODE ROW 3 |
| 3. | ANODE COLUMN 2 | 3. | CATHODE COLUMN 2 |
| 4. | CATHODE ROW 5 | 4. | ANODE ROW 5 |
| 5. | CATHODE ROW 6 | 5. | ANODE ROW 6 |
| 6. | CATHODE ROW 7 | 6. | ANODE ROW 7 |
| 7. | ANODE COLUMN 4 | 7. | CATHODE COLUMN 4 |
| 8. | ANODE COLUMN 5 | 8. | CATHODE COLUMN 5 |
| 9. | CATHODE ROW 4 | 9. | ANODE ROW 4 |
| 10. | ANODE COLUMN 3 | 10. | CATHODE COLUMN 3 |
| 11. | CATHODE ROW 2 | 11. | ANODE ROW 2 |
| 12. | CATHODE ROW 1 | 12. | ANODE ROW 1 |

1.16" DIGIT SIZE - 5x7

| 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_{atg} (°C) | $V_F@20mA(V)$ | | $V_R@100\mu A$ (V) | I_y per seg. (μcd) | I_F (mA) | |
| | | | | | | | | typ. | max. | | | | |
| MTAN2157-AG | 567 | Green | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 5 | 1850 | 10 | 1 |
| MTAN4157-AO | 635 | Orange | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 5 | 2000 | 10 | 1 |
| MTAN4157-AHR | 635 | Hi-Eff Red | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 5 | 2000 | 10 | 1 |
| MTAN2157-CG | 567 | Green | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 5 | 1850 | 10 | 2 |
| MTAN4157-CO | 635 | Orange | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 5 | 2000 | 10 | 2 |
| MTAN4157-CHR | 635 | Hi-Eff Red | 25 | 5 | 85 | -40 ~ 85 | -55 ~ 100 | 2.1 | 3.0 | 5 | 2000 | 10 | 2 |



| PINOUT 1 | | PINOUT 2 | |
|----------|----------------|----------|------------------|
| PIN NO. | FUNCTION | PIN NO. | FUNCTION |
| 1. | CATHODE ROW 5 | 1. | ANODE ROW 5 |
| 2. | CATHODE ROW 7 | 2. | ANODE ROW 7 |
| 3. | ANODE COLUMN 2 | 3. | CATHODE COLUMN 2 |
| 4. | ANODE COLUMN 3 | 4. | CATHODE COLUMN 3 |
| 5. | CATHODE ROW 4 | 5. | ANODE ROW 4 |
| 6. | ANODE COLUMN 5 | 6. | CATHODE COLUMN 5 |
| 7. | CATHODE ROW 6 | 7. | ANODE ROW 6 |
| 8. | CATHODE ROW 3 | 8. | ANODE ROW 3 |
| 9. | CATHODE ROW 1 | 9. | ANODE ROW 1 |
| 10. | ANODE COLUMN 4 | 10. | CATHODE COLUMN 4 |
| 11. | ANODE COLUMN 1 | 11. | CATHODE COLUMN 1 |
| 12. | CATHODE ROW 2 | 12. | ANODE ROW 2 |
| 13. | ANODE COLUMN 1 | 13. | CATHODE COLUMN 1 |
| 14. | CATHODE ROW 2 | 14. | ANODE ROW 2 |