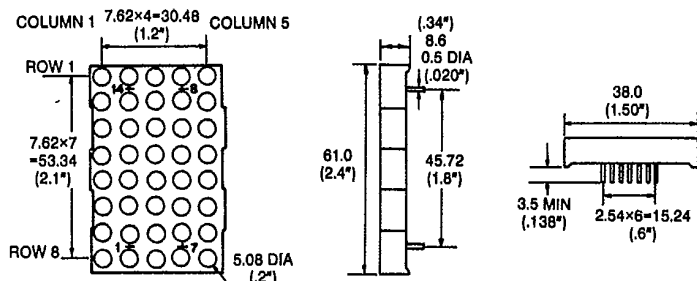


# DOT MATRIX DISPLAY

## 2.4" DIGIT SIZE - 5x8

T-41-35

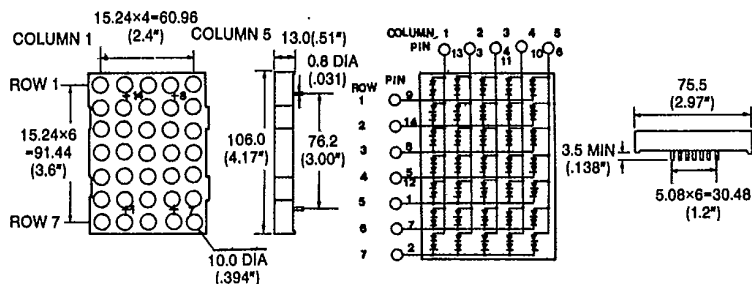
| PART NO.      | PEAK WAVE-LENGTH<br>$\lambda_p$ (nm) | EMITTED COLOR | MAXIMUM RATINGS |           |            |                |                | OPTO-ELECTRICAL CHARACTERISTICS |     |                    |                             |            | Pin-Out |
|---------------|--------------------------------------|---------------|-----------------|-----------|------------|----------------|----------------|---------------------------------|-----|--------------------|-----------------------------|------------|---------|
|               |                                      |               | $I_F$ (mA)      | $V_R$ (V) | $P_D$ (mW) | $T_{opr}$ (°C) | $T_{stg}$ (°C) | $V_F@20mA(V)$                   |     | $V_R@100\mu A$ (V) | $I_y$ per seg. ( $\mu cd$ ) | $I_F$ (mA) |         |
| MTAN2124-13A  | 567                                  | Green         | 25              | 5         | 85         | -40 ~ 85       | -55 ~ 100      | 2.1                             | 3.0 | 5                  | 2000                        | 10         | 1       |
| MTAN4124-13A  | 635                                  | Orange        | 25              | 5         | 85         | -40 ~ 85       | -55 ~ 100      | 2.1                             | 3.0 | 5                  | 2200                        | 10         | 1       |
| MTAN4124R-13A | 635                                  | Hi-Eff Red    | 25              | 5         | 85         | -40 ~ 85       | -55 ~ 100      | 2.1                             | 3.0 | 5                  | 2200                        | 10         | 1       |
| MTAN2124-23C  | 567                                  | Green         | 25              | 5         | 85         | -40 ~ 85       | -55 ~ 100      | 2.1                             | 3.0 | 5                  | 2000                        | 10         | 2       |
| MTAN4124-23C  | 635                                  | Orange        | 25              | 5         | 85         | -40 ~ 85       | -55 ~ 100      | 2.1                             | 3.0 | 5                  | 2200                        | 10         | 2       |
| MTAN4124R-23C | 635                                  | Hi-Eff Red    | 25              | 5         | 85         | -40 ~ 85       | -55 ~ 100      | 2.1                             | 3.0 | 5                  | 2200                        | 10         | 2       |



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

## 4.0" DIGIT SIZE - 5x7

| PART NO.      | PEAK WAVE-LENGTH<br>$\lambda_p$ (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) | $V_F@20mA(V)$                   |     | $V_R@100\mu A$ (V) | $I_y$ per seg. ( $\mu cd$ ) | $I_F$ (mA) |         |
| MTAN2140-12A  | 567                                  | Green         | 25              | 10        | 85         | -40 ~ 85       | -55 ~ 100      | 4.2                             | 6.0 | 10                 | 3800                        | 10         | 1       |
| MTAN4140-12A  | 635                                  | Orange        | 25              | 10        | 85         | -40 ~ 85       | -55 ~ 100      | 4.2                             | 6.0 | 10                 | 4000                        | 10         | 1       |
| MTAN4140R-12A | 635                                  | Hi-Eff Red    | 25              | 10        | 85         | -40 ~ 85       | -55 ~ 100      | 4.2                             | 6.0 | 10                 | 4000                        | 10         | 1       |
| MTAN2140-22C  | 567                                  | Green         | 25              | 10        | 85         | -40 ~ 85       | -55 ~ 100      | 4.2                             | 6.0 | 10                 | 3800                        | 10         | 2       |
| MTAN4140-22C  | 635                                  | Orange        | 25              | 10        | 85         | -40 ~ 85       | -55 ~ 100      | 4.2                             | 6.0 | 10                 | 4000                        | 10         | 2       |
| MTAN4140R-22C | 635                                  | Hi-Eff Red    | 25              | 10        | 85         | -40 ~ 85       | -55 ~ 100      | 4.2                             | 6.0 | 10                 | 4000                        | 10         | 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 3 | 11.     | CATHODE COLUMN 3 |
| 12.     | CATHODE ROW 4  | 12.     | ANODE ROW 4      |
| 13.     | ANODE COLUMN 1 | 13.     | CATHODE COLUMN 1 |
| 14.     | CATHODE ROW 2  | 14.     | ANODE ROW 2      |