

# 4.0" 5x7 Dot Matrix Display

## FEATURES

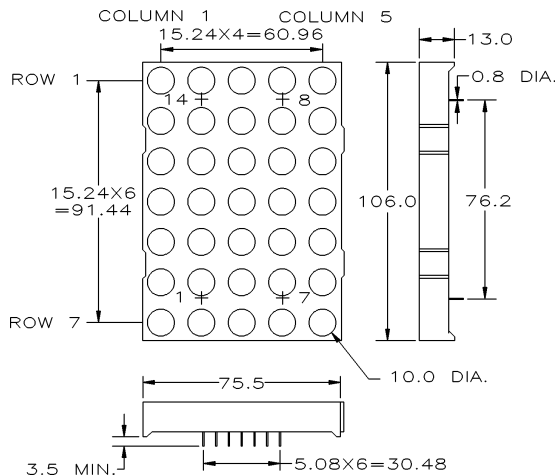
- 4.0" 5x7 dot matrix
- Additional colors/materials available

## OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

| PART NO.      | PEAK WAVE LENGTH (nm) | EMITTED COLOR | FACE COLORS   |             | MAXIMUM RATINGS |        |         | OPTO-ELECTRICAL CHARACTERISTICS |      |     |        |     |              | PIN-OUT |     |
|---------------|-----------------------|---------------|---------------|-------------|-----------------|--------|---------|---------------------------------|------|-----|--------|-----|--------------|---------|-----|
|               |                       |               | SURFACE COLOR | EPOXY COLOR | IF (mA)         | VR (V) | PD (mW) | VF(V)                           |      |     | IR(μA) |     | IV(μcd)      |         |     |
|               |                       |               |               |             |                 |        |         | typ.                            | max. | @mA | max.   | @VR | typ. per dot |         | @mA |
| MTAN2140-12A  | 567                   | Green         | Grey          | White       | 30              | 5      | 85      | 4.2                             | 6.0  | 20  | 100    | 5   | 6800         | 10      | 1   |
| MTAN4140-12A  | 635                   | Orange        | Grey          | White       | 30              | 5      | 85      | 4.2                             | 6.0  | 20  | 100    | 5   | 7800         | 10      | 1   |
| MTAN4140R-12A | 635                   | Hi-Eff Red    | Red           | Red         | 30              | 5      | 85      | 4.2                             | 6.0  | 20  | 100    | 5   | 7800         | 10      | 1   |
| MTAN7140M-12A | 660                   | Ultra Red     | Black         | White       | 30              | 4      | 70      | 3.4                             | 4.4  | 20  | 100    | 4   | 41100        | 20      | 1   |
| MTAN2140-22C  | 567                   | Green         | Grey          | White       | 30              | 5      | 85      | 4.2                             | 6.0  | 20  | 100    | 5   | 6800         | 10      | 2   |
| MTAN4140-22C  | 635                   | Orange        | Grey          | White       | 30              | 5      | 85      | 4.2                             | 6.0  | 20  | 100    | 5   | 7800         | 10      | 2   |
| MTAN4140R-22C | 635                   | Hi-Eff Red    | Red           | Red         | 30              | 5      | 85      | 4.2                             | 6.0  | 20  | 100    | 5   | 7800         | 10      | 2   |
| MTAN7140M-22C | 660                   | Ultra Red     | Black         | White       | 30              | 4      | 70      | 3.4                             | 4.4  | 20  | 100    | 4   | 41100        | 20      | 2   |

Operating Temperature: -25~+85, Storage Temperature: -25~+100. Other face/epoxy colors are available.

## PACKAGE DIMENSIONS AND PIN FUNCTIONS



### PINOUT 1

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

### PINOUT 2

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

1. ALL DIMENSIONS ARE IN mm, TOLERANCE IS  $\pm 0.25$ mm UNLESS OTHERWISE SPECIFIED.
2. THE SLOPE ANGLE OF ANY PIN MAY BE  $\pm 5.0^\circ$  MAX.



120 Broadway • Menands, New York 12204

Toll Free: (800) 98-4LED5 • Fax: (518) 432-7454

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All specifications subject to change.