

Features

Additional Colors/Materials Available
 Excellent Character Appearance
 High Light Output
 IC Compatible
 Low Current Requirements
 Other face/epoxy colors available

Applications

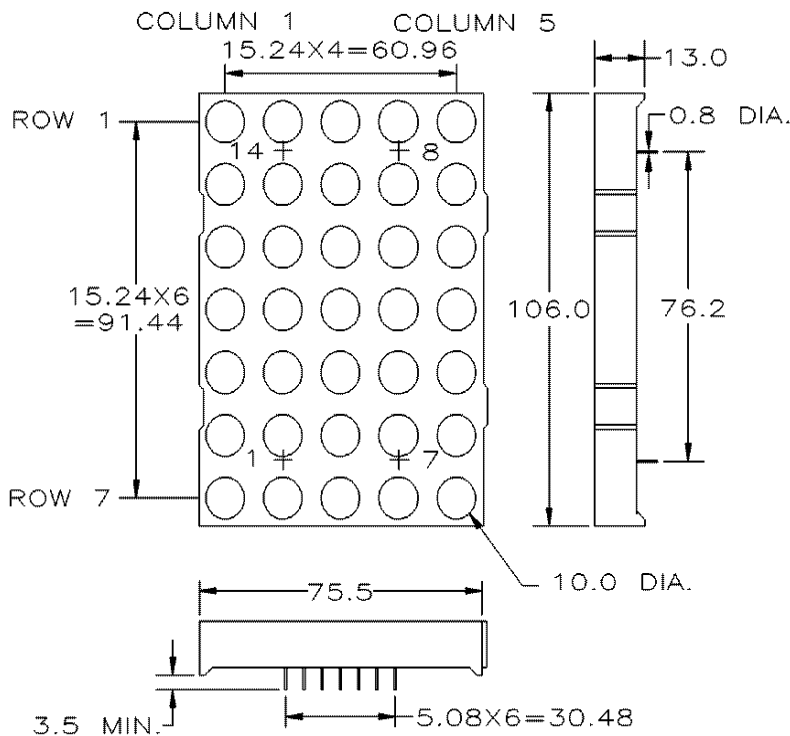
Message Signs
 VMS

Notes

All Dimensions are in millimeters.
 Tolerance is $\pm 0.25\text{mm}$ unless otherwise stated.
 The slope angle of any pin may be $\pm 5.0^\circ$ MAX.
 Operating Temperature: $-25 \sim +85$
 Storage Temperature: $-25 \sim +100$
 Specifications subject to change without notice.

| Part Number | PWL λ_p | Material | Emitted Color | Face Colors | | Maximum Ratings | | | Optical and Electrical Characteristics | | | | | | Pin Out | |
|---------------|-----------------|----------|---------------|-------------|---------------|-----------------|------|-------|--|------|---------------|--------------------|-----|-----------------------|---------|-----|
| | | | | Epoxy Color | Surface Color | IF | VR | PD | Forward Voltage VF | | | Reverse Current IR | | Luminous Intensity IV | | |
| | | | | | | | | | typ. | max. | IF@ | max. | VR@ | typ. dot | | IF@ |
| MTAN2140-12A | 567 | GaP | YG | White | Gray | 30 | 5.00 | 85.00 | 4.20 | 6.00 | 20mA | 100 | 5V | 6.80 | 10mA | 1 |
| MTAN2140-22C | 567 | GaP | YG | White | Gray | 30 | 5.00 | 85.00 | 4.20 | 6.00 | 20mA | 100 | 5V | 6.80 | 10mA | 2 |
| MTAN4140-12A | 635 | GaAsP | HR | White | Gray | 30 | 5.00 | 85.00 | 4.20 | 6.00 | 20mA | 100 | 5V | 7.80 | 10mA | 1 |
| MTAN4140-22C | 635 | GaAsP | HR | White | Gray | 30 | 5.00 | 85.00 | 4.20 | 6.00 | 20mA | 100 | 5V | 7.80 | 10mA | 2 |
| MTAN4140R-12A | 635 | GaAsP | HR | Red | Red | 30 | 5.00 | 85.00 | 4.20 | 6.00 | 20mA | 100 | 5V | 7.80 | 10mA | 1 |
| MTAN4140R-22C | 635 | GaAsP | HR | Red | Red | 30 | 5.00 | 85.00 | 4.20 | 6.00 | 20mA | 100 | 5V | 7.80 | 10mA | 2 |
| MTAN7140M-12A | 660 | GaAlAs | SBUR | White | Black | 30 | 4.00 | 70.00 | 3.40 | 4.40 | 20mA | 100 | 4V | 41.10 | 20mA | 1 |
| MTAN7140M-22C | 660 | GaAlAs | SBUR | White | Black | 30 | 4.00 | 70.00 | 3.40 | 4.40 | 20mA | 100 | 4V | 41.10 | 20mA | 2 |
| Units | nm | - | - | - | - | mA | V | mW | V | - | μA | - | mcd | - | - | |

Package Dimensions and Pin Functions



PINOUT 1

COLUMN ANODE

PIN NO. FUNCTION

1. CATHODE ROW 5
2. CATHODE ROW 7
3. ANODE COLUMN 2
4. ANODE COLUMN 3
5. CATHODE ROW 4
6. ANODE COLUMN 5
7. CATHODE ROW 6
8. CATHODE ROW 3
9. CATHODE ROW 1
10. ANODE COLUMN 4
11. ANODE COLUMN 3
12. CATHODE ROW 4
13. ANODE COLUMN 1
14. CATHODE ROW 2

PINOUT 2

COLUMN CATHODE

PIN NO. FUNCTION

1. ANODE ROW 5
2. ANODE ROW 7
3. CATHODE COLUMN 2
4. CATHODE COLUMN 3
5. ANODE ROW 4
6. CATHODE COLUMN 5
7. ANODE ROW 6
8. ANODE ROW 3
9. ANODE ROW 1
10. CATHODE COLUMN 4
11. CATHODE COLUMN 3
12. ANODE ROW 4
13. CATHODE COLUMN 1
14. ANODE ROW 2