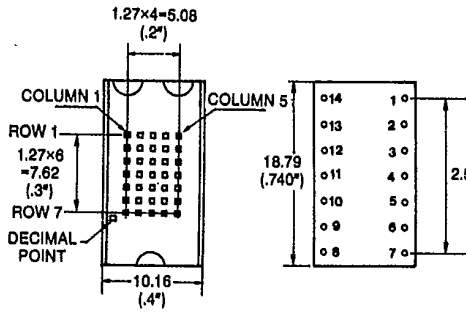


DOT MATRIX DISPLAY

0.3" DIGIT SIZE - 5x7

T-41-35

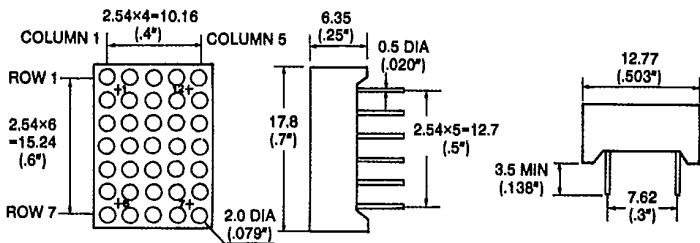
| PART NO. | PEAK WAVE-LENGTH λ P (nm) | EMITTED COLOR | MAXIMUM RATINGS | | | | | OPTO-ELECTRICAL CHARACTERISTICS | | | | | Pin-Out |
|--------------|---------------------------|---------------|---------------------|--------------------|---------------------|-----------------------|-----------------------|---------------------------------|------|---------------------------|-------------------------------|---------------------|---------|
| | | | I _F (mA) | V _R (V) | P _D (mW) | T _{opr} (°C) | T _{stg} (°C) | V _F @20mA(V) | | V _R @100μA (V) | I _y per seg. (μcd) | I _F (mA) | |
| | | | | | | | | typ. | max. | | | | |
| MTAN1135-ASR | 655 | Red | 25 | 3 | 100 | -40~85 | -55~100 | 1.7 | 2.0 | 3 | 350 | 10 | 1 |
| MTAN2135-AG | 567 | Green | 25 | 5 | 85 | -40~85 | -55~100 | 2.1 | 3.0 | 5 | 1300 | 10 | 1 |
| MTAN4135-AO | 635 | Orange | 25 | 5 | 85 | -40~85 | -55~100 | 2.1 | 3.0 | 5 | 1400 | 10 | 1 |
| MTAN4135-AHR | 635 | Hi-Eff Red | 25 | 5 | 85 | -40~85 | -55~100 | 2.1 | 3.0 | 5 | 1400 | 10 | 1 |
| MTAN1135-CSR | 655 | Red | 25 | 3 | 100 | -40~85 | -55~100 | 1.7 | 2.0 | 3 | 350 | 10 | 2 |
| MTAN2135-CG | 567 | Green | 25 | 5 | 85 | -40~85 | -55~100 | 2.1 | 3.0 | 5 | 1300 | 10 | 2 |
| MTAN4135-CO | 635 | Orange | 25 | 5 | 85 | -40~85 | -55~100 | 2.1 | 3.0 | 5 | 1400 | 10 | 2 |
| MTAN4135-CHR | 635 | Hi-Eff Red | 25 | 5 | 85 | -40~85 | -55~100 | 2.1 | 3.0 | 5 | 1400 | 10 | 2 |



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

0.68" 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 _{stg} (°C) | V _F @20mA(V) | | V _R @100μA (V) | I _y per seg. (μcd) | I _F (mA) | |
| | | | | | | | | typ. | max. | | | | |
| MTAN2170-11A | 567 | Green | 25 | 5 | 85 | -40~85 | -55~100 | 2.1 | 3.0 | 5 | 1850 | 10 | 1 |
| MTAN4170-11A | 635 | Orange | 25 | 5 | 85 | -40~85 | -55~100 | 2.1 | 3.0 | 5 | 2000 | 10 | 1 |
| MTAN4170R-11A | 635 | Hi-Eff Red | 25 | 5 | 85 | -40~85 | -55~100 | 2.1 | 3.0 | 5 | 2000 | 10 | 1 |
| MTAN2170-21C | 567 | Green | 25 | 5 | 85 | -40~85 | -55~100 | 2.1 | 3.0 | 5 | 1850 | 10 | 2 |
| MTAN4170-21C | 635 | Orange | 25 | 5 | 85 | -40~85 | -55~100 | 2.1 | 3.0 | 5 | 2000 | 10 | 2 |
| MTAN4170R-21C | 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 1 | 1 | ANODE ROW 1 |
| 2 | CATHODE ROW 2 | 2 | ANODE ROW 2 |
| 3 | ANODE COLUMN 2 | 3 | CATHODE COLUMN 2 |
| 4 | ANODE COLUMN 1 | 4 | CATHODE COLUMN 1 |
| 5 | CATHODE ROW 6 | 5 | ANODE ROW 6 |
| 6 | CATHODE ROW 7 | 6 | ANODE ROW 7 |
| 7 | ANODE COLUMN 3 | 7 | CATHODE COLUMN 3 |
| 8 | CATHODE ROW 3 | 8 | ANODE ROW 3 |
| 9 | ANODE COLUMN 4 | 9 | CATHODE COLUMN 4 |
| 10 | CATHODE ROW 4 | 10 | ANODE ROW 4 |
| 11 | CATHODE ROW 5 | 11 | ANODE ROW 5 |
| 12 | ANODE COLUMN 5 | 12 | CATHODE COLUMN 5 |