

LED T.M.



LEDTRONICS, Inc

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17.8mm DIGIT HEIGHT

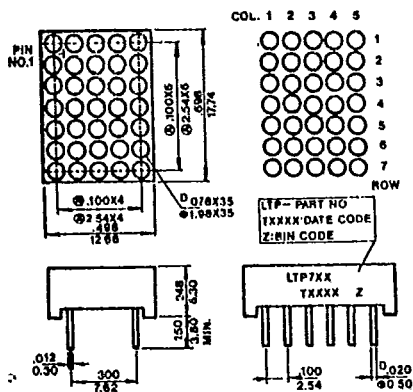
0.7"-5x7 LED DOT MATRIX

STD RED, HI-RED, HI-EFF RED/YELLOW/GREEN

| LEDTRONICS PART NO. LTP- | | | | LED RADIATION COLOR | ABSOLUTE MAXIMUM RATINGS Ta=25°C | | | | | ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C | | | | | |
|--------------------------|---------------|----------------|---------------|---------------------|----------------------------------|--------------------|-------------------|------------------|---------------------|---|------------------------|----------------------|----------------------|-----------------------|-------|
| ANODE COLUMN | SECOND SOURCE | CATHODE COLUMN | SECOND SOURCE | | Pd mW | I _{fp} mA | I _f mA | V _r V | T _{opr} °C | I _f mA | I _v TYP μcd | V _f TYP V | V _f MAX V | I _r MAX μA | λP nm |
| 747N | BM07157MD | 757N | BM07157ND | STD RED | 45 | 120 | 20 | 5 | -25to+85 | 10 | 450 | 1.7 | 2.0 | 100 | 655 |
| 747PR | BM07657MD | 757PR | BM07657ND | HI-RED | 30 | 40 | 12 | 5 | -25to+85 | 10 | 600 | 2.1 | 2.2 | 100 | 647 |
| 747HR | BM07457MD | 757HR | BM07457ND | HI-EFF RED | 60 | 80 | 20 | 5 | -25to+85 | 10 | 1800 | 2.1 | 2.3 | 100 | 635 |
| 747E | BM07457MD | 757E | BM07457ND | ORANGE | 60 | 80 | 20 | 5 | -25to+85 | 10 | 1800 | 2.1 | 2.3 | 100 | 630 |
| 747Y | BM07357MD | 757Y | BM07357ND | YELLOW | 60 | 80 | 12 | 5 | -25to+85 | 10 | 1300 | 2.1 | 2.3 | 100 | 585 |
| 747G | BM07257MD | 757G | BM07257ND | GREEN | 60 | 80 | 20 | 5 | -25to+85 | 10 | 1800 | 2.1 | 2.3 | 100 | 565 |
| | BM07557MD | | BM07557ND | ULTRA RED | 55 | 55 | 25 | 5 | -25to+85 | 20 | 2000 | 1.7 | 2.1 | 100 | 660 |

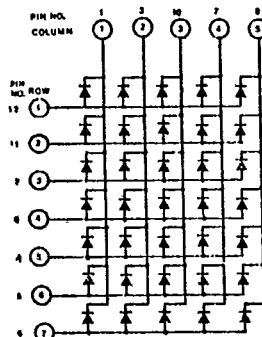
NOTE: ULTRA RED IS GAIR® LOW POWER HIGH INTENSITY RED ALL PARAMETERS ARE PER DOT

PACKAGE DIMENSIONS

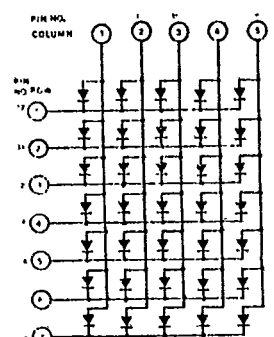


INTERNAL CIRCUIT DIAGRAM

LTP-747



LTP-757



NOTE: All dimensions are in $\frac{\text{inches}}{\text{millimeters}}$ tolerance is $\frac{0.010''}{0.25\text{mm}}$ unless otherwise noted.

PIN FUNCTION

| PIN NO | CONNECTION | |
|--------|----------------|------------------|
| | LTP-747 | LTP-757 |
| 1 | ANODE COLUMN 1 | CATHODE COLUMN 1 |
| 2 | CATHODE ROW 3 | ANODE ROW 3 |
| 3 | ANODE COLUMN 2 | CATHODE COLUMN 2 |
| 4 | CATHODE ROW 5 | ANODE ROW 5 |
| 5 | CATHODE ROW 6 | ANODE ROW 6 |
| 6 | CATHODE ROW 7 | ANODE ROW 7 |
| 7 | ANODE COLUMN 4 | CATHODE COLUMN 4 |
| 8 | ANODE COLUMN 5 | CATHODE COLUMN 5 |
| 9 | CATHODE ROW 4 | ANODE ROW 4 |
| 10 | ANODE COLUMN 3 | CATHODE COLUMN 3 |
| 11 | CATHODE ROW 2 | ANODE ROW 2 |
| 12 | CATHODE ROW 1 | ANODE ROW 1 |

