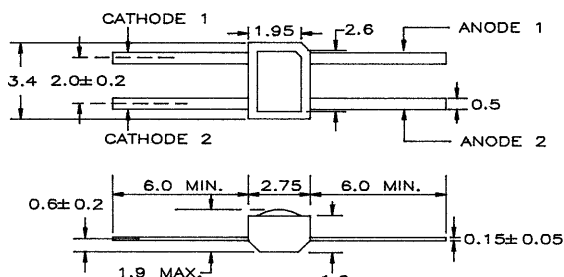


# Axial Leaded LED Lamps

## FEATURES

- All plastic mold type
- Will fit in small space
- Low current operation



Note: Ultra bright red has reversed polarity.

## MAXIMUM RATINGS (Ta = 25°C)

| PART NO.  | FORWARD CURRENT (I <sub>f</sub> ) (mA) | REVERSE VOLTAGE (V <sub>r</sub> ) (V) | POWER DISSIPATION (P <sub>D</sub> ) (mW) | OPERATING TEMPERATURE (T <sub>opp</sub> ) (°C) | STORAGE TEMPERATURE (T <sub>stg</sub> ) (°C) |
|-----------|--|---------------------------------------|--|--|--|
| MT144A-RG | 30                                     | 5.0                                   | 85                                       | -25~+85  | -25~+100                                     |
| MT244A-G  | 30                                     | 5.0                                   | 85                                       | -25~+85  | -25~+100                                     |
| MT344A-Y  | 30                                     | 5.0                                   | 85                                       | -25~+85  | -25~+100                                     |
| MT444A-O  | 30                                     | 5.0                                   | 85                                       | -25~+85  | -25~+100                                     |
| MT444A-HR | 30                                     | 5.0                                   | 85                                       | -25~+85  | -25~+100                                     |
| MT744A-UR | 30                                     | 4.0                                   | 70                                       | -25~+85  | -25~+100                                     |
| MT134A-RG | 30                                     | 5.0                                   | 85                                       | -25~+85  | -25~+100                                     |
| MT234A-G  | 30                                     | 5.0                                   | 85                                       | -25~+85  | -25~+100                                     |
| MT334A-Y  | 30                                     | 5.0                                   | 85                                       | -25~+85  | -25~+100                                     |
| MT434A-HR | 30                                     | 5.0                                   | 85                                       | -25~+85  | -25~+100                                     |
| MT734A-UR | 30                                     | 4.0                                   | 70                                       | -25~+85  | -25~+100                                     |

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

| PART NO.  | MATERIAL    | LENS COLOR   | VIEWING ANGLE typ. | LUMINOUS INTENSITY (mcd) |      |     | FORWARD VOLTAGE (V) |      |     | REVERSE CURRENT | PEAK WAVE LENGTH |     |
|-----------|-------------|--------------|--------------------|--------------------------|------|-----|---------------------|------|-----|-----------------|------------------|-----|
|           |             |              |                    | min.                     | typ. | @mA | typ.                | max. | @mA | μA              | Vr               | nm  |
| MT144A-RG | GaP         | Red Clear    | 76°                | 1.9                      | 4.9  | 20  | 2.1                 | 3.0  | 20  | 100             | 5                | 700 |
| MT244A-G  | GaP         | Green Clear  | 76°                | 7.7                      | 12.8 | 20  | 2.1                 | 3.0  | 20  | 100             | 5                | 567 |
| MT344A-Y  | GaAsP/GaP   | Yellow Clear | 76°                | 6.4                      | 10.6 | 20  | 2.1                 | 3.0  | 20  | 100             | 5                | 585 |
| MT444A-O  | GaAsP/GaP   | Orange Clear | 76°                | 8.9                      | 14.9 | 20  | 2.1                 | 3.0  | 20  | 100             | 5                | 635 |
| MT444A-HR | GaAsP/GaP   | Red Clear    | 76°                | 8.9                      | 14.9 | 20  | 2.1                 | 3.0  | 20  | 100             | 5                | 635 |
| MT744A-UR | GaAlAs/GaAs | Red Clear    | 76°                | 35.0                     | 90.0 | 20  | 1.9                 | 2.5  | 20  | 100             | 4                | 660 |
| MT134A-RG | GaP         | Water Clear  | 76°                | 2.9                      | 4.9  | 20  | 2.1                 | 3.0  | 20  | 100             | 5                | 700 |
| MT234A-G  | GaP         | Water Clear  | 76°                | 7.7                      | 12.8 | 20  | 2.1                 | 3.0  | 20  | 100             | 5                | 567 |
| MT334A-Y  | GaAsP/GaP   | Water Clear  | 76°                | 6.4                      | 10.6 | 20  | 2.1                 | 3.0  | 20  | 100             | 5                | 585 |
| MT434A-HR | GaAsP/GaP   | Water Clear  | 76°                | 8.9                      | 14.9 | 20  | 2.1                 | 3.0  | 20  | 100             | 5                | 635 |
| MT734A-UR | GaAlAs/GaAs | Water Clear  | 76°                | 35.0                     | 90.0 | 20  | 1.9                 | 2.5  | 20  | 100             | 4                | 660 |



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For up-to-date product info visit our web site at [www.marktechopto.com](http://www.marktechopto.com)

All specifications subject to change.

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