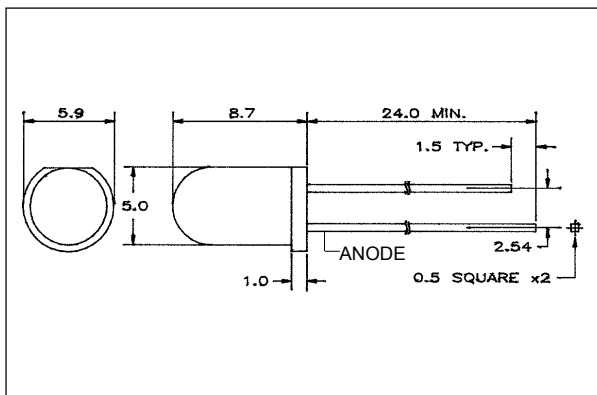


# Standard T-1<sup>3</sup>/<sub>4</sub> LED Lamps

## FEATURES

- Excellent on/off contrasts
- Choice of diffused or color clear lens
- Other colors/materials available
- Option of standoffs or hard leads
- Can be packaged on tape in a reel or in a box



## MAXIMUM RATINGS (Ta = 25°C)

| PART NO.  | FORWARD CURRENT (If) (mA) | REVERSE VOLTAGE (Vr) (V) | POWER DISSIPATION (Pd) (mW) | OPERATING TEMPERATURE (Topt) (°C) | STORAGE TEMPERATURE (Tstg) (°C) |
|-----------|---------------------------|--------------------------|-----------------------------|-----------------------------------|---------------------------------|
| MT1118-RG | 30                        | 5.0                      | 85                          | -25~+85                           | -25~+100                        |
| MT2118-G  | 30                        | 5.0                      | 85                          | -25~+85                           | -25~+100                        |
| MT3118-Y  | 30                        | 5.0                      | 85                          | -25~+85                           | -25~+100                        |
| MT4118-O  | 30                        | 5.0                      | 85                          | -25~+85                           | -25~+100                        |
| MT4118-HR | 30                        | 5.0                      | 85                          | -25~+85                           | -25~+100                        |
| MT1418-RG | 30                        | 5.0                      | 85                          | -25~+85                           | -25~+100                        |
| MT2418-G  | 30                        | 5.0                      | 85                          | -25~+85                           | -25~+100                        |
| MT3418-Y  | 30                        | 5.0                      | 85                          | -25~+85                           | -25~+100                        |
| MT4418-O  | 30                        | 5.0                      | 85                          | -25~+85                           | -25~+100                        |
| MT4418-HR | 30                        | 5.0                      | 85                          | -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               |
| MT1118-RG | GaP       | Red Diff     | 44°                | 1.4                      | 3.6  | 20  | 2.1                 | 3.0  | 20  | 100             | 5  | 700              |
| MT2118-G  | GaP       | Green Diff   | 44°                | 7.2                      | 100  | 20  | 2.1                 | 3.0  | 20  | 100             | 5  | 567              |
| MT3118-Y  | GaAsP/GaP | Yellow Diff  | 44°                | 5.8                      | 65   | 20  | 2.1                 | 3.0  | 20  | 100             | 5  | 585              |
| MT4118-O  | GaAsP/GaP | Orange Diff  | 44°                | 8.2                      | 75   | 20  | 2.1                 | 3.0  | 20  | 100             | 5  | 635              |
| MT4118-HR | GaAsP/GaP | Red Diff     | 44°                | 8.2                      | 75   | 20  | 2.1                 | 3.0  | 20  | 100             | 5  | 635              |
| MT1418-RG | GaP       | Red Clear    | 22°                | 5.0                      | 12.4 | 20  | 2.1                 | 3.0  | 20  | 100             | 5  | 700              |
| MT2418-G  | GaP       | Green Clear  | 22°                | 24.2                     | 330  | 20  | 2.1                 | 3.0  | 20  | 100             | 5  | 567              |
| MT3418-Y  | GaAsP/GaP | Yellow Clear | 22°                | 19.8                     | 210  | 20  | 2.1                 | 3.0  | 20  | 100             | 5  | 585              |
| MT4418-O  | GaAsP/GaP | Orange Clear | 22°                | 28.0                     | 250  | 20  | 2.1                 | 3.0  | 20  | 100             | 5  | 635              |
| MT4418-HR | GaAsP/GaP | Red Clear    | 22°                | 28.0                     | 250  | 20  | 2.1                 | 3.0  | 20  | 100             | 5  | 635              |



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