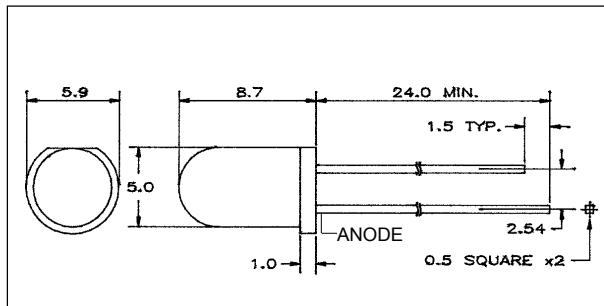


T-1 3/4 Resistor LED Lamps

FEATURES

- Available with a 5-volt or 12-volt configuration
- Self contained current limiting resistor
- Solid state reliability
- Diffused package
- Saves space and labor



MAXIMUM RATINGS (Ta = 25°C)

| PART NO. | FORWARD CURRENT (I _F) (mA) | REVERSE VOLTAGE (V _R) (V) | OPERATING TEMPERATURE (T _{opr}) (°C) | STORAGE TEMPERATURE (T _{stg}) (°C) |
|--------------|--|---------------------------------------|--|--|
| MT1118-5VRG | 30.0 | 8.0 | -25~+85 | -25~+100 |
| MT2118-5VG | 30.0 | 8.0 | -25~+85 | -25~+100 |
| MT3118-5VY | 30.0 | 8.0 | -25~+85 | -25~+100 |
| MT4118-5VO | 30.0 | 8.0 | -25~+85 | -25~+100 |
| MT4118-5VHR | 30.0 | 8.0 | -25~+85 | -25~+100 |
| MT7118-5VUR | 30.0 | 7.0 | -25~+85 | -25~+100 |
| MT1118-12VRG | 30.0 | 17.0 | -25~+85 | -25~+100 |
| MT2118-12VG | 30.0 | 17.0 | -25~+85 | -25~+100 |
| MT3118-12VY | 30.0 | 17.0 | -25~+85 | -25~+100 |
| MT4118-12VO | 30.0 | 17.0 | -25~+85 | -25~+100 |
| MT4118-12VHR | 30.0 | 17.0 | -25~+85 | -25~+100 |
| MT7118-12VUR | 30.0 | 5.0 | -25~+85 | -25~+100 |

OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

| PART NO. | MATERIAL | LENS COLOR | VIEWING ANGLE typ. | LUMINOUS INTENSITY (mcd) | | | FORWARD CURRENT @ 12(V) | | REVERSE CURRENT | | PEAK WAVE LENGTH |
|--------------|-----------|-------------|--------------------|--------------------------|------|----|-------------------------|------|-----------------|----|------------------|
| | | | | min. | typ. | @V | typ. | max. | μA | Vr | |
| MT1118-5VRG | GaP | Red Diff | 44° | 4.0 | 6.7 | 5 | 5.0 | 7.0 | 100 | 8 | 700 |
| MT2118-5VG | GaP | Green Diff | 44° | 8.1 | 13.5 | 5 | 5.0 | 7.0 | 100 | 8 | 567 |
| MT3118-5VY | GaAsP/GaP | Yellow Diff | 44° | 7.1 | 11.8 | 5 | 5.0 | 7.0 | 100 | 8 | 585 |
| MT4118-5VO | GaAsP/GaP | Orange Diff | 44° | 9.3 | 15.5 | 5 | 5.0 | 7.0 | 100 | 8 | 635 |
| MT4118-5VHR | GaAsP/GaP | Red Diff | 44° | 9.3 | 15.5 | 5 | 5.0 | 7.0 | 100 | 8 | 635 |
| MT7118-5VUR | GaAlAs | Red Diff | 44° | 30.2 | 50.4 | 5 | 5.0 | 7.0 | 100 | 7 | 660 |
| MT1118-12VRG | GaP | Red Diff | 44° | 4.0 | 6.7 | 12 | 12.0 | 15.0 | 100 | 17 | 700 |
| MT2118-12VG | GaP | Green Diff | 44° | 8.1 | 13.5 | 12 | 12.0 | 15.0 | 100 | 17 | 567 |
| MT3118-12VY | GaAsP/GaP | Yellow Diff | 44° | 7.1 | 11.8 | 12 | 12.0 | 15.0 | 100 | 17 | 585 |
| MT4118-12VO | GaAsP/GaP | Orange Diff | 44° | 9.3 | 15.5 | 12 | 12.0 | 15.0 | 100 | 17 | 635 |
| MT4118-12VHR | GaAsP/GaP | Red Diff | 44° | 9.3 | 15.5 | 12 | 12.0 | 15.0 | 100 | 17 | 635 |
| MT7118-12VUR | GaAlAs | Red Diff | 44° | 30.2 | 50.4 | 12 | 12.0 | 15.0 | 100 | 5 | 660 |



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