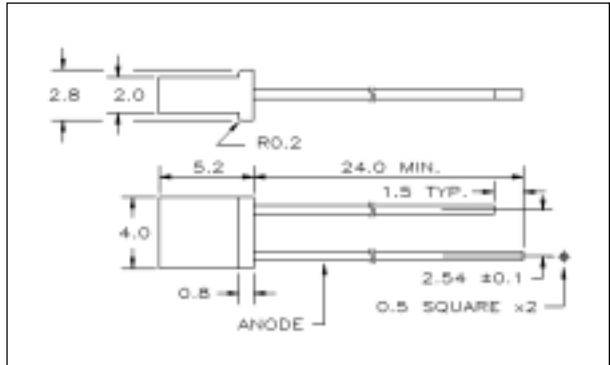


2x4mm Rectangular LED Lamps

FEATURES

- Diffused lens
- All plastic mold type
- Low drive current
- Other colors/materials available

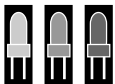


MAXIMUM RATINGS (Ta = 25°C)

| PART NO. | FORWARD CURRENT (I _F) (mA) | REVERSE VOLTAGE (V _R) (V) | POWER DISSIPATION (P _D) (mW) | OPERATING TEMPERATURE (T _{opr}) (°C) | STORAGE TEMPERATURE (T _{stg}) (°C) |
|-----------|--|---------------------------------------|--|--|--|
| MT112T-RG | 30 | 5.0 | 85 | -25~+85 | -25~+100 |
| MT212T-G | 30 | 5.0 | 85 | -25~+85 | -25~+100 |
| MT312T-Y | 30 | 5.0 | 85 | -25~+85 | -25~+100 |
| MT412T-O | 30 | 5.0 | 85 | -25~+85 | -25~+100 |
| MT412T-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 nm |
|-----------|-----------|-------------|--------------------|--------------------------|------|-----|---------------------|------|-----|-----------------|----|---------------------|
| | | | | min. | typ. | @mA | typ. | max. | @mA | μA | Vr | |
| MT112T-RG | GaP | Red Diff | 66° | 1.4 | 3.6 | 20 | 2.1 | 3.0 | 20 | 100 | 5 | 700 |
| MT212T-G | GaP | Green Diff | 66° | 3.6 | 9.2 | 20 | 2.1 | 3.0 | 20 | 100 | 5 | 567 |
| MT312T-Y | GaAsP/GaP | Yellow Diff | 66° | 3.0 | 7.6 | 20 | 2.1 | 3.0 | 20 | 100 | 5 | 585 |
| MT412T-O | GaAsP/GaP | Orange Diff | 66° | 4.4 | 10.8 | 20 | 2.1 | 3.0 | 20 | 100 | 5 | 635 |
| MT412T-HR | GaAsP/GaP | Red Diff | 66° | 4.4 | 10.8 | 20 | 2.1 | 3.0 | 20 | 100 | 5 | 635 |



marktech
optoelectronics

120 Broadway • Menands, New York 12204

Toll Free: (800) 98-4LEDS • Fax: (518) 432-7454