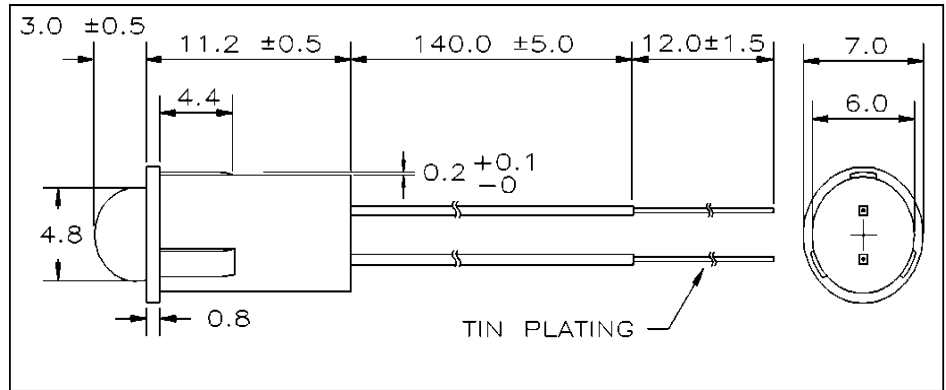


Features

- Low current requirements
- High light output
- Reliable and rugged
- IC Compatible
- Wire lead



Series Line-Up

| Part Number | Color | Material |
|-------------|---------------------|----------|
| MT1164S4-RG | Red | GaP |
| MT1164S4-R | Ultra Bright Red | GaAlAs |
| MT2164S4-G | Yellow Green | GaP |
| MT3164S4-Y | Pure Yellow | GaAsP |
| MT4164S4-HR | High Efficiency Red | GaAsP |
| MT4164S4-O | High Efficiency Red | GaAsP |

Maximum Ratings (Ta=25°C)

| Part Number | Forward Current IF | Reverse Voltage VR | Power Dissipation Pd | Operating Temperature Topr | Storage Temperature Tstg |
|-------------|-----------------------|-----------------------|-------------------------|-------------------------------|-----------------------------|
| MT1164S4-RG | 30 | 5 | 100.00 | -40 ~ +60 | -40 ~ +60 |
| MT1164S4-R | 30 | 5 | 100.00 | -40 ~ +60 | -40 ~ +60 |
| MT2164S4-G | 30 | 5 | 100.00 | -40 ~ 60 | -40 ~ 60 |
| MT3164S4-Y | 30 | 5 | 100.00 | -40 ~ 60 | -40 ~ 60 |
| MT4164S4-HR | 30 | 5 | 100.00 | -40 ~ +60 | -40 ~ +60 |
| MT4164S4-O | 30 | 5 | 100.00 | -40 ~ +60 | -40 ~ +60 |
| Unit | mA | V | mW | °C | °C |

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Electrical and Optical Characteristics (Ta=25°C)

| Part Number | PWL nm λ_P | Material | View Angle $2\theta_{1/2}$ | Luminous Intensity I_v | | | | Forward Voltage V_F | | | | Rev Current I_R | | | |
|--------------|-----------------------|----------|-------------------------------|-----------------------------|-------|------|------|--------------------------|------|------|------|----------------------|-----|----|---|
| | | | | min. | typ. | max. | IF@ | min. | typ. | max. | IF@ | max. | VR@ | | |
| MT1164GS4-RG | 700 | GaP | 42° | 2.50 | 4.10 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V | | |
| MT1164S4-R | 660 | GaAlAs | 42° | 1.60 | 2.70 | - | 20mA | - | 1.70 | 2.00 | 20mA | 100 | 5V | | |
| MT2164S4-G | 567 | GaP | 42° | 12.00 | 20.00 | - | 20mA | - | 2.10 | 2.60 | 20mA | 100 | 5V | | |
| MT3164S4-Y | 585 | GaAsP | 42° | 9.80 | 16.40 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V | | |
| MT4164S4-HR | 635 | GaAsP | 42° | 13.90 | 23.20 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V | | |
| MT4164S4-O | 635 | GaAsP | 42° | 13.90 | 23.20 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V | | |
| - | nm | - | deg | mcd | | | | - | V | | | | - | mA | - |

NOTES:

- All Dimensions are in millimeters.
- Tolerance is ± 0.25 mm unless otherwise stated.
- An Epoxy Meniscus may extend about 1mm down the leads.
- Burr around bottom of epoxy may be around 0.5mm MAX.
- Specifications are subject to change without notice.

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