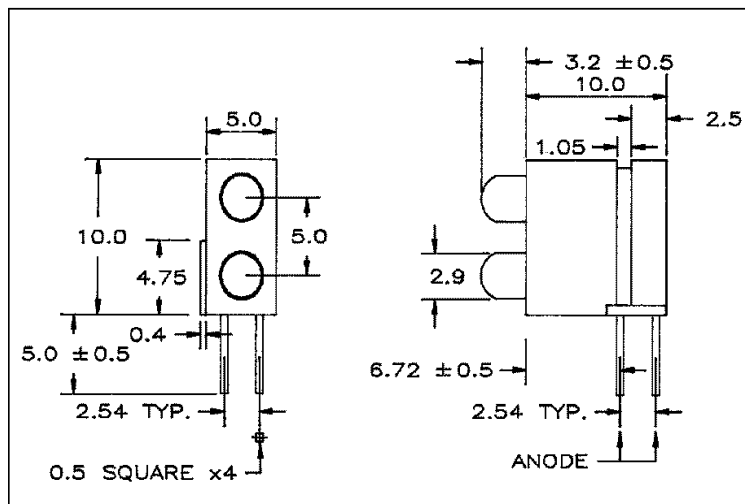


Features

Diffused lens
Stackable end to end



Series Line-Up

| Part Number | Color | Material |
|-------------|---------------------|----------|
| MTA1163-GHR | Yellow Green | GaP |
| MTA1163-GHR | High Efficiency Red | GaAsP |
| MTA1163-HRG | High Efficiency Red | GaAsP |
| MTA1163-HRG | Yellow Green | GaP |
| MTA1163-YG | Pure Yellow | GaAsP |
| MTA1163-YG | Yellow Green | GaP |
| MTA2063-G | Yellow Green | GaP |
| MTA2063-HR | High Efficiency Red | GaAsP |
| MTA2063-Y | Pure Yellow | GaAsP |

Maximum Ratings (Ta=25°C)

| Part Number | Forward Current I _F | Reverse Voltage V _R | Power Dissipation P _D | Operating Temperature T _{opr} | Storage Temperature T _{stg} |
|-------------|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------------|-----------------------------------------|
| MTA1163-GHR | 30 | 5 | 85.00 | -25 ~ +60 | -25 ~ +60 |
| MTA1163-GHR | 30 | 5 | 85.00 | -25 ~ +60 | -25 ~ +60 |
| MTA1163-HRG | 30 | 5 | 85.00 | -25 ~ +60 | -25 ~ +60 |
| MTA1163-HRG | 30 | 5 | 85.00 | -25 ~ +60 | -25 ~ +60 |
| MTA1163-YG | 30 | 5 | 85.00 | -25 ~ +60 | -25 ~ +60 |
| MTA1163-YG | 30 | 5 | 85.00 | -25 ~ +60 | -25 ~ +60 |
| MTA2063-G | 30 | 5 | 85.00 | -25 ~ +60 | -25 ~ +60 |
| MTA2063-HR | 30 | 5 | 85.00 | -25 ~ +60 | -25 ~ +60 |
| MTA2063-Y | 30 | 5 | 85.00 | -25 ~ +60 | -25 ~ +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@ |
| MTA1163-GHR | 567 | GaP | 36° | 5.40 | 40.00 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V |
| | 635 | GaAsP | 36° | 6.20 | 35.00 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V |
| MTA1163-HRG | 635 | GaAsP | 36° | 6.20 | 35.00 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V |
| | 567 | GaP | 36° | 5.40 | 40.00 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V |
| MTA1163-YG | 585 | GaAsP | 36° | 4.40 | 25.00 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V |
| | 567 | GaP | 36° | 5.40 | 40.00 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V |
| MTA2063-G | 567 | GaP | 36° | 5.40 | 40.00 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V |
| MTA2063-HR | 635 | GaAsP | 36° | 6.20 | 35.00 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V |
| MTA2063-Y | 585 | GaAsP | 36° | 4.40 | 25.00 | - | 20mA | - | 2.10 | 3.00 | 20mA | 100 | 5V |
| - | nm | - | deg | mcd | | | | - | V | | - | μA | - |

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.