

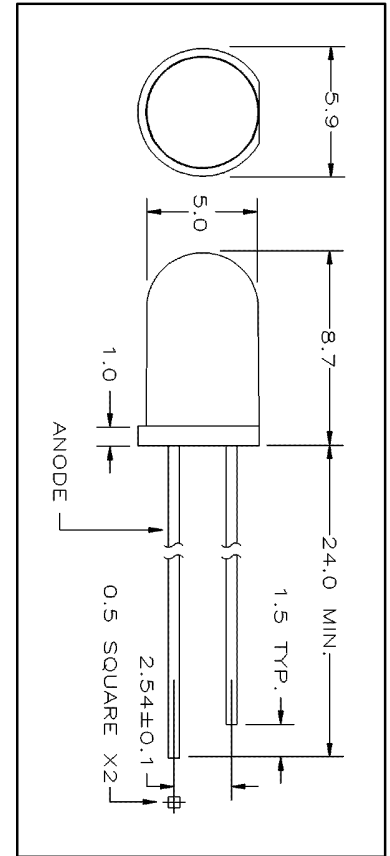
MT1318A-UR

Features

- Low Current Requirements
- IC Compatible
- High Light Output
- Reliable and Rugged

Maximum Ratings (Ta=25°C)

| Characteristic | Symbol | Max. | Test Condition | Unit |
|------------------------|------------------|------------|---------------------|------|
| Forward Current | I _F | 30 | - | mA |
| Pulsed Forward Current | I _{FP} | .10 | DC=0.1, PW=0.1ms | A |
| Reverse Voltage | V _R | 4.00 | - | V |
| Power Dissipation | P _D | 72.00 | - | mW |
| Operating Temperature | T _{opr} | -25 ~ +85 | - | °C |
| Storage Temperature | T _{stg} | -25 ~ +100 | - | °C |
| Junction Temperature | T _j | - | - | °C |
| Soldering Temperature | T _{sol} | 260 | for 5 sec. max | °C |



Opto-Electrical Characteristics (Ta=25°C)

| Characteristic | Symbol | Test Condition | Min | Typ | Max | Unit |
|---------------------------|----------------|----------------------|---------|---------|------|------|
| Forward Voltage | V _F | I _F =20mA | - | 1.90 | 2.40 | V |
| Reverse Current | I _R | V _R =4V | - | - | 100 | μA |
| Power Output | P _O | I _F =20mA | - | 6.50 | - | mW |
| Luminous Intensity | I _v | I _F =20mA | 1200.00 | 2200.00 | - | mcd |
| Half Intensity Beam Angle | θ | - | - | ± 24° | - | deg. |
| Peak Wavelength | λ _p | I _F =20mA | - | 644 | - | nm |
| Dominant Wavelength | λ _d | I _F =20mA | - | 630 | - | nm |
| Spectral Line Half Width | Δλ | I _F =20mA | - | 18 | - | nm |

MT1318A-UR Graphs

