

LED

Super Red, 3mm



Specifications:

| | |
|-------------------------|---------------|
| Dice material | : GaAlAs |
| Emitted colour | : Ultra Red |
| Lens colour | : Water Clear |
| Peak wavelength | : 660nm |
| Viewing angle | : 36° |
| Luminous intensity (IV) | : 1200mcd |

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

| | |
|---|---------------------------|
| Reverse Voltage | 5V |
| Reverse Current | 10 μ A ($V_R = 5V$) |
| Operating Temperature Range | -40°C to +85°C |
| Storage Temperature Range | -40°C to +100°C |
| Lead Soldering Temperature Range 1.6mm (1/16 inch) from body | 260°C for 5 Seconds |

Electrical/Optical Characteristics at $T_a = 25^\circ\text{C}$

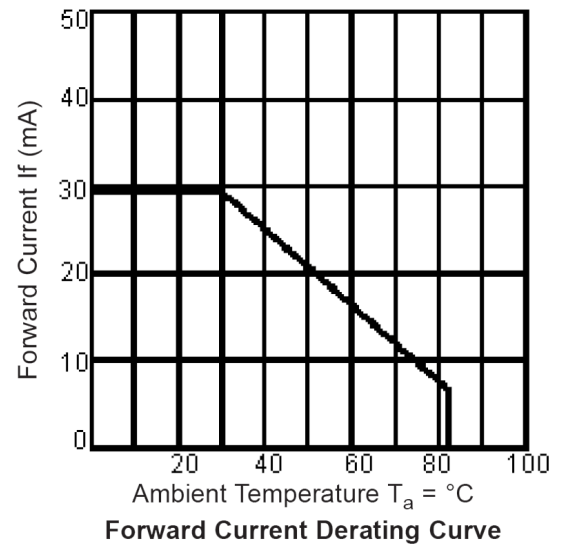
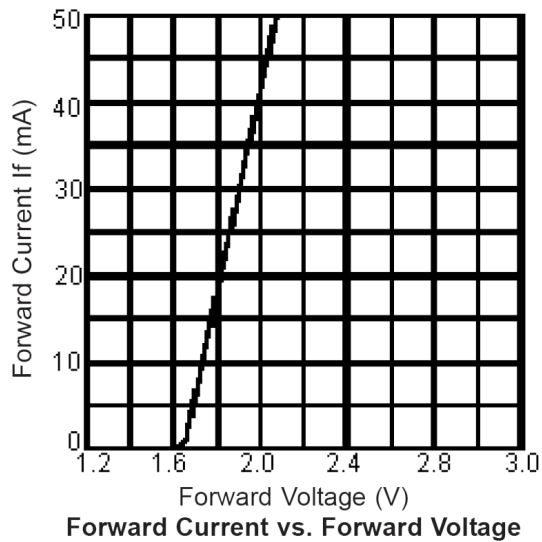
| Parameter | Symbol | Minimum | Typical | Maximum | Unit | Test |
|--|-----------------|---------|---------|---------|---------|-----------|
| Luminous Intensity | IV | 585 | 1,200 | 1,800 | mcd | IF = 20mA |
| Viewing Angle | 2 θ 1/2 | - | 36 | - | degrees | |
| Peak Emission Wavelength | λ_P | - | 660 | - | nm | - |
| Dominant Wavelength | λ_D | - | 643 | - | | - |
| Spectral Line Half-Width | $\Delta\lambda$ | - | 20 | - | | - |
| Forward Voltage | VF | 1.5 | 1.9 | 2.5 | V | IF = 20mA |
| Power Dissipation | Pd | - | - | 85 | - | - |
| Peak Forward Current (Duty 1/10 at 1KHz) | IF (Peak) | - | - | 100 | - | - |
| Recommended Operating Current | IF (Rec) | - | 20 | - | mA | - |

LED

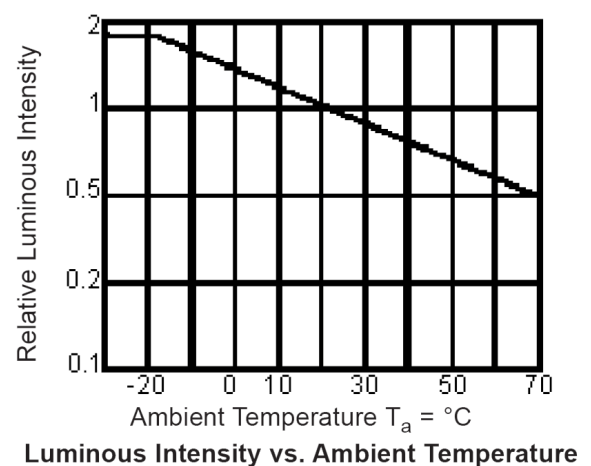
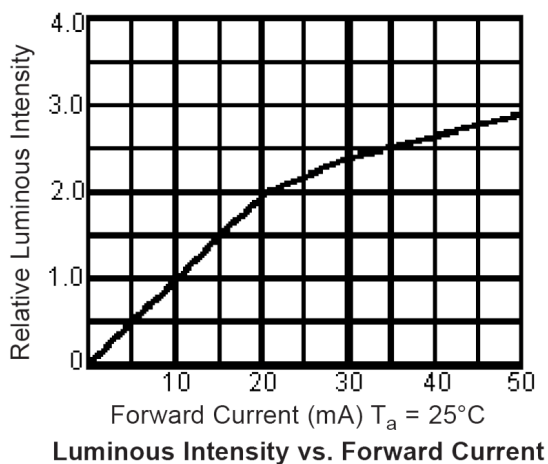
Super Red, 3mm



Ultra Red (GaAlAs) $\lambda_P = 660\text{nm}$

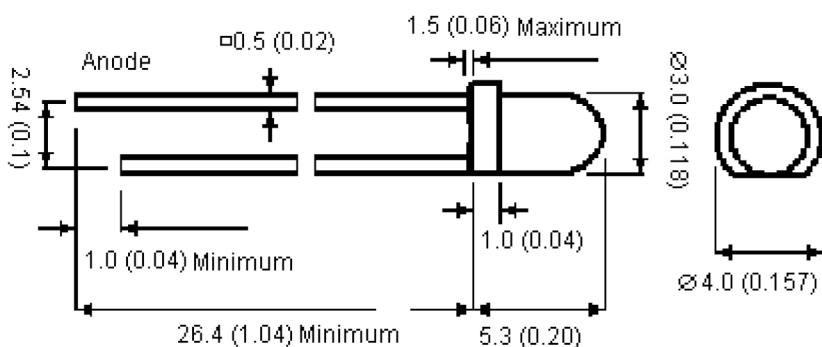
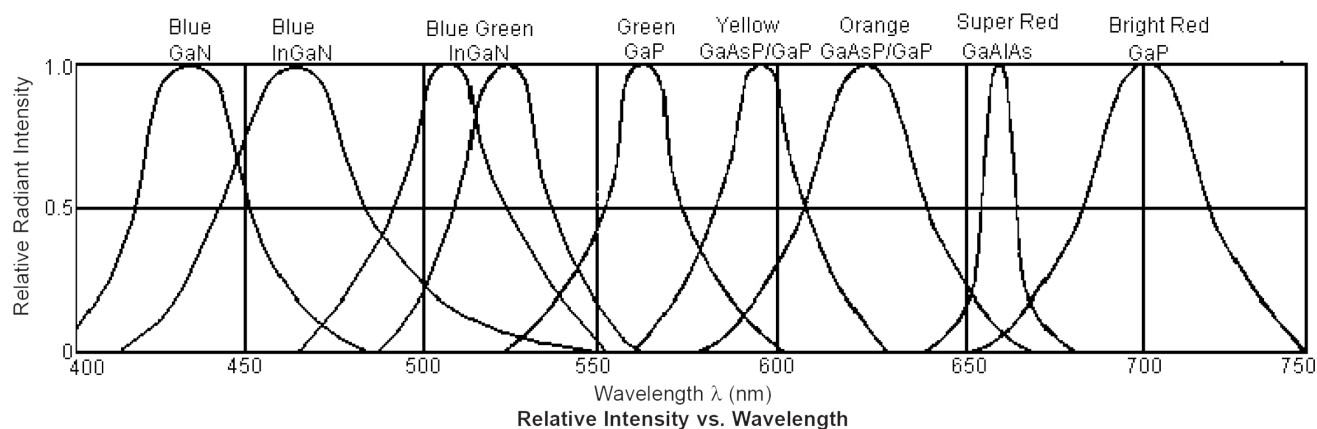


Ultra Red (GaAlAs) $\lambda_P = 660\text{nm}$



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Dimensions : Millimetres (Inches)

Part Number Table

| Description | Part Number |
|--------------------------|-------------|
| LED, 3mm, 32°, Super-Red | MCL034URC |

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