

Round LED

Yellow, 3mm



Specifications:

| | |
|-------------------------|-------------------|
| Dice material | : GaAsP on GaP |
| Emitted colour | : Yellow |
| Lens colour | : Yellow Diffused |
| Peak wavelength | : 587nm |
| Viewing angle | : 76° |
| Luminous intensity (IV) | : 9.5mcd |

Absolute Maximum Ratings (T_a = 25°C)

| | |
|---|----------------------------|
| Reverse Voltage | 5V |
| Reverse Current | 10µA (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°C

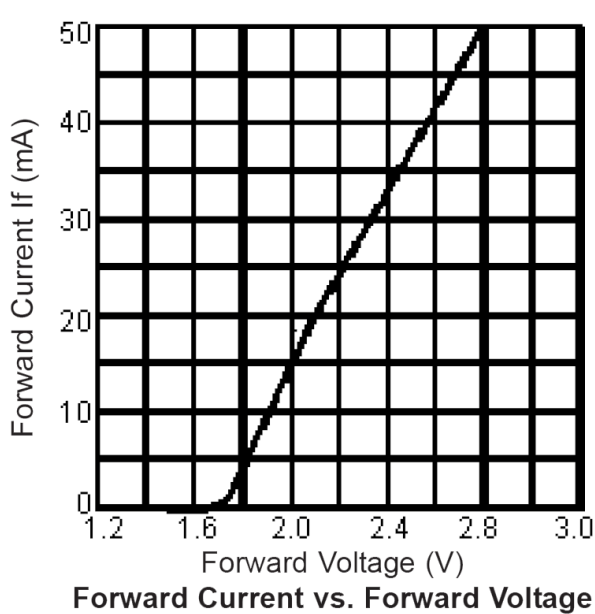
| Parameter | Symbol | Minimum | Typical | Maximum | Unit | Test |
|--|-----------|---------|---------|---------|---------|-----------|
| Luminous Intensity | IV | 5.5 | 9.5 | 16 | mcd | IF = 20mA |
| Viewing Angle | 2θ 1/2 | - | 76 | - | degrees | |
| Peak Emission Wavelength | λP | - | 587 | - | nm | - |
| Dominant Wavelength | λD | - | 590 | - | | - |
| Spectral Line Half-Width | Δλ | - | 35 | - | | - |
| Forward Voltage | VF | 1.7 | 2.1 | 2.6 | 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 | - |

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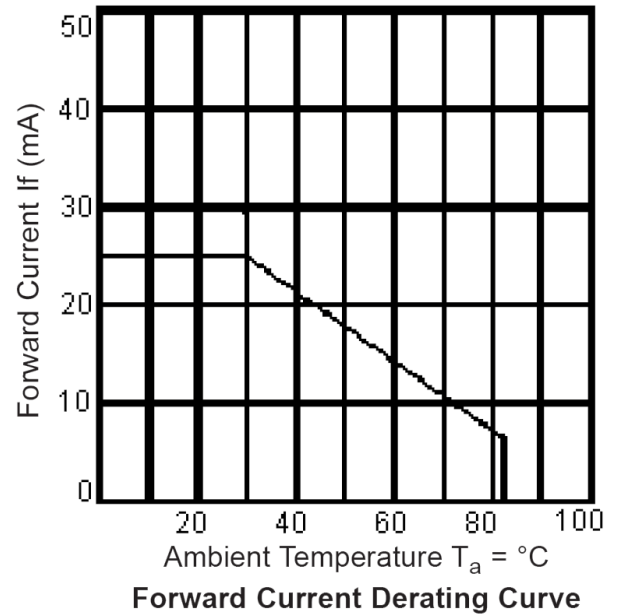
Yellow, 3mm



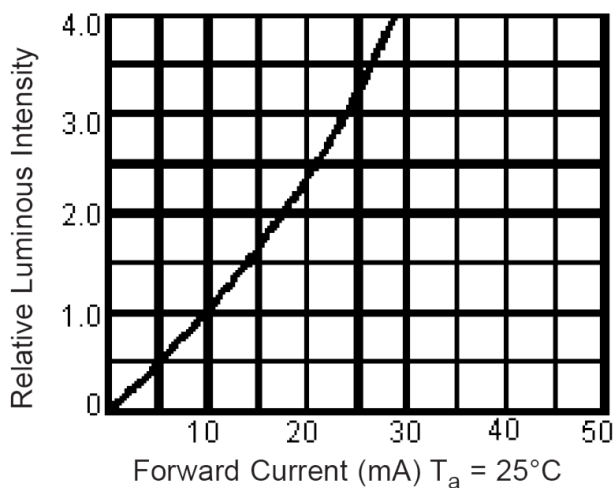
Green (GaP $\lambda_P = 568\text{nm}$)



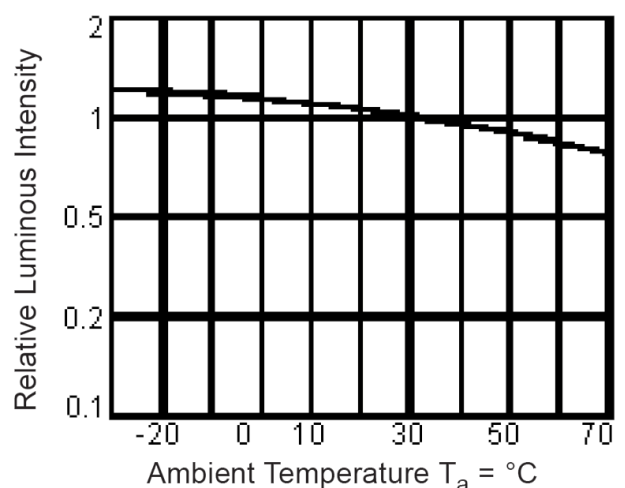
Forward Current vs. Forward Voltage



Forward Current Derating Curve



Luminous Intensity vs. Forward Current

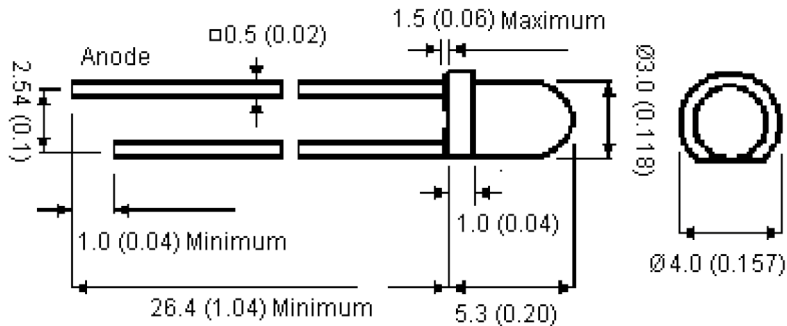
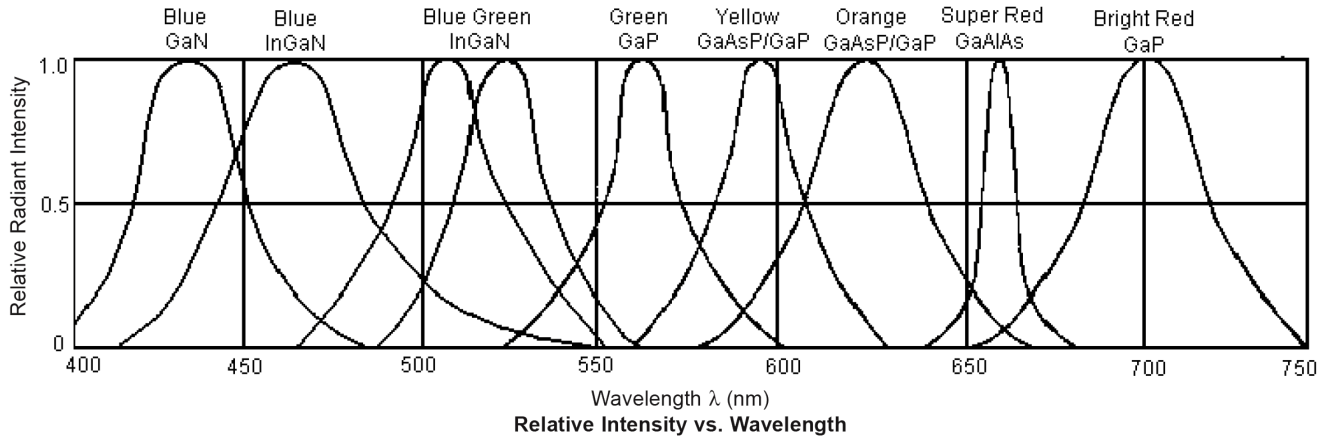


Luminous Intensity vs. Ambient Temperature



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Dimensions : Millimetres (Inches)

Part Number Table

| Description | Part Number |
|-----------------------|-------------|
| LED, 3mm, 70°, Yellow | MCL034YD |

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