

Round LED

Amber, 3mm

multicomp^{PRO}

RoHS
Compliant



Specifications:

| | |
|-------------------------|---------------------|
| Dice Material | : GaAsP on GaP |
| Emitted Colour | : Amber |
| Lens Colour | : Amber Transparent |
| Peak Wavelength | : 610nm |
| Viewing Angle | : 36° |
| Luminous Intensity (IV) | : 33mcd |

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 |

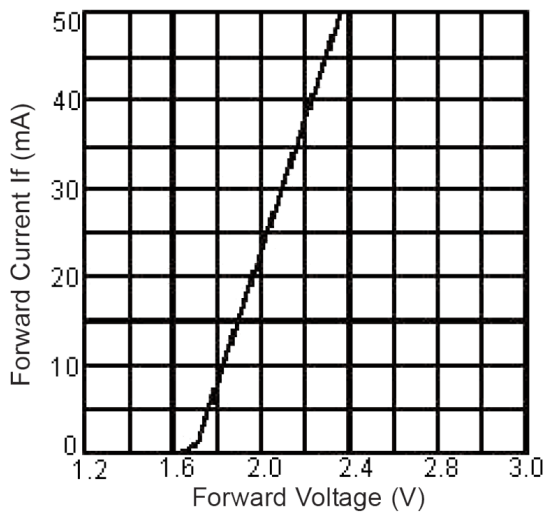
Electrical/Optical Characteristics at $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Minimum | Typical | Maximum | Unit | Test |
|---|-----------------|---------|---------|---------|---------|-----------|
| Luminous Intensity | IV | 18 | 33 | 50 | mcd | IF = 20mA |
| Viewing Angle | 2 θ 1/2 | - | 36 | - | degrees | |
| Peak Emission Wavelength | λ_P | - | 610 | - | nm | - |
| Dominant Wavelength | λ_D | - | 606 | - | | - |
| Spectral Line Half-Width | $\Delta\lambda$ | - | 40 | - | | - |
| 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 | - |

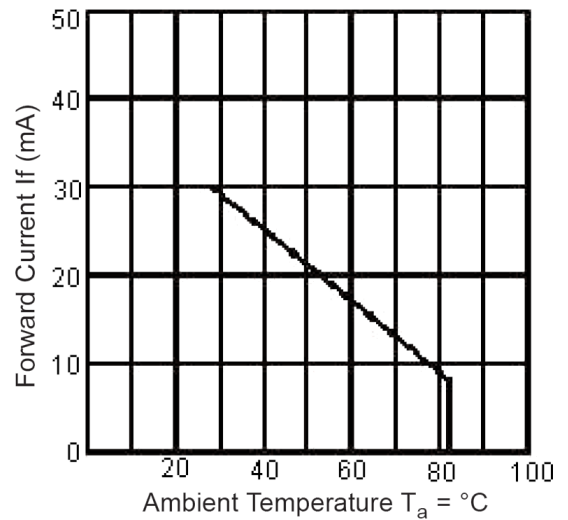
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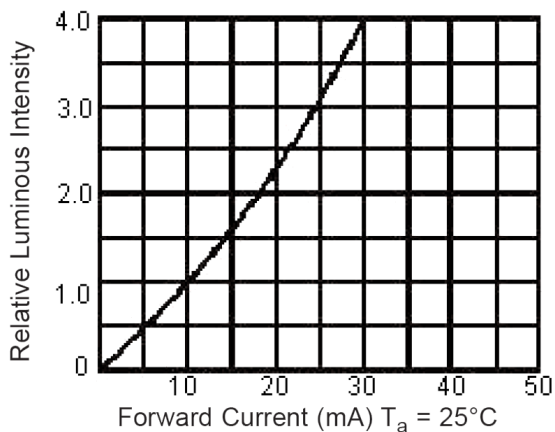
Amber (GaAsP/CaP $\lambda_P = 610\text{nm}$)



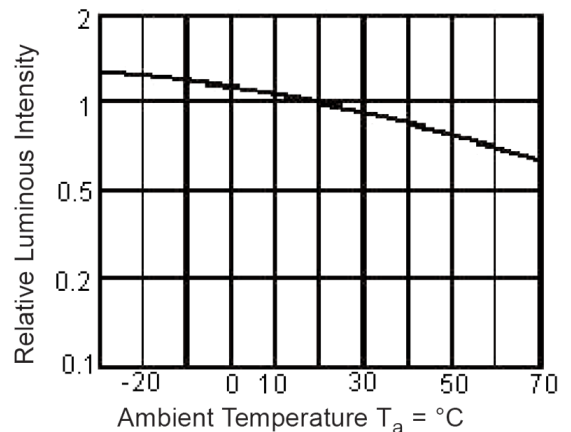
Forward Current vs. Forward Voltage



Forward Current Derating Curve



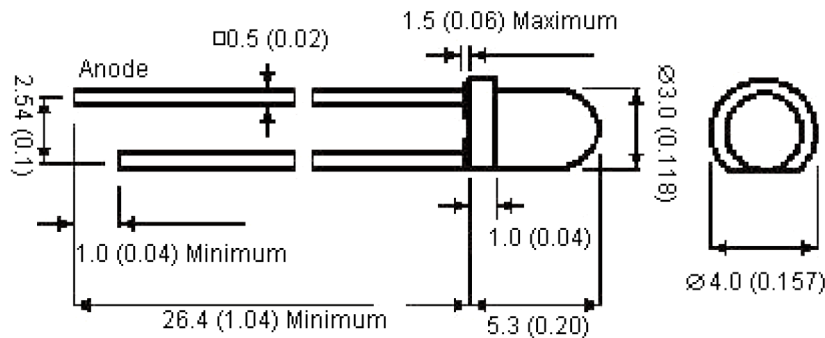
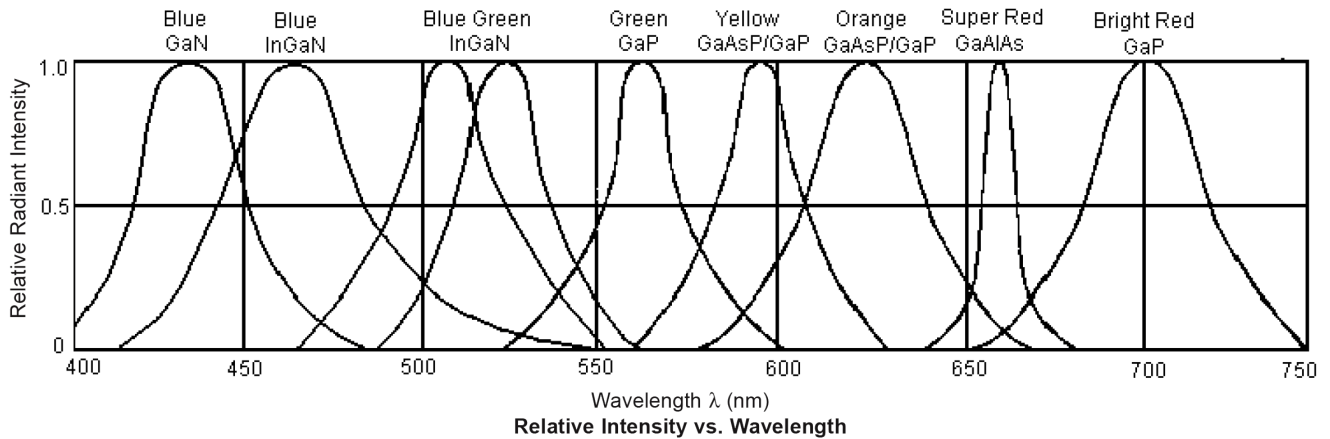
Luminous Intensity vs. Forward Current



Luminous Intensity vs. Ambient Temperature

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Dimensions : Millimetres (Inches)

Part Number Table

| Description | Part Number |
|----------------------|-------------|
| LED, 3mm, 32°, Amber | MCL034BT |

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