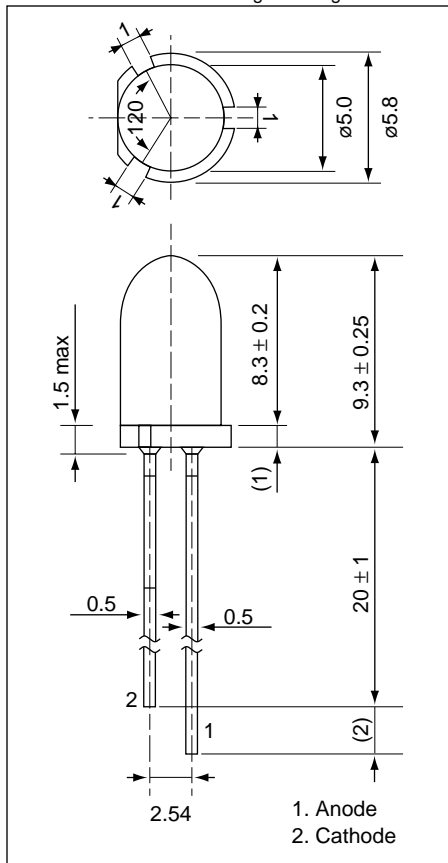




Weight: 0.31 g Unit: mm



AND157AYP

InGaAlP Yellow Light Emission T-1 3/4 Package (5 mm)

Features

- Peak wavelength ($\lambda_p = 590$ nm) high bright emission
- All plastic mold type, clear colorless lens
- Low drive current: 1 to 20 mA DC
- Excellent On-Off contrast ratio
- Fast response time, capable of pulse operation
- High power luminous intensity
- Suitable for Outdoor Message Signboards
- High reliability, storage temperature -40 to +120°C

Maximum Ratings (T = 25°C)

| Characteristics | Symbol | Rating | Unit |
|-----------------------------|-----------|------------|------|
| Forward Current | I_F | 50 | mA |
| Reverse Voltage | V_R | 4 | V |
| Power Dissipation | P_D | 125 | mW |
| Operating Temperature Range | T_{Opr} | -40 to 85 | °C |
| Storage Temperature Range | T_{Sig} | -40 to 120 | °C |

Electro-Optical Characteristics (T = 25°C)

| Characteristics | Symbol | Test Condition | Minimum | Typical | Maximum | Unit |
|--------------------------|-----------------|------------------|---------|---------|---------|---------|
| Forward Voltage | V_F | $I_F = 20$ mA | — | 2.1 | 2.4 | V |
| Reverse Current | I_R | $V_R = 4$ V | — | — | 50 | μ A |
| Luminous Intensity | I_V | $I_F = 20$ mA | 320 | 800 | — | mcd |
| Peak Emission Wavelength | λ_p | $I_F = 20$ mA | — | 590 | — | nm |
| Spectral Line Half Width | $\Delta\lambda$ | $I_F = 20$ mA | — | 13 | — | nm |
| Dominant Wavelength | λ_d | $I_F = 20$ mA | — | 587 | — | nm |
| Full Viewing Angle | θ | $I_V = 1/2$ Peak | — | 22 | — | degree |

Precaution

Please be careful of the following:

1. Soldering temperature: 260°C max
Soldering time: 3 sec. max
Soldering portion of lead: up to 2 mm from the body of the device
2. The lead can be formed up to 5 mm from the body of the device without forming stress.
Soldering should be performed after the lead forming.

