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AUSTRIA



RLS-UV370E

- Ultraviolet Light Emitting Diode
- 370 nm
- InGaN structure
- 5 mm epoxy package



Description

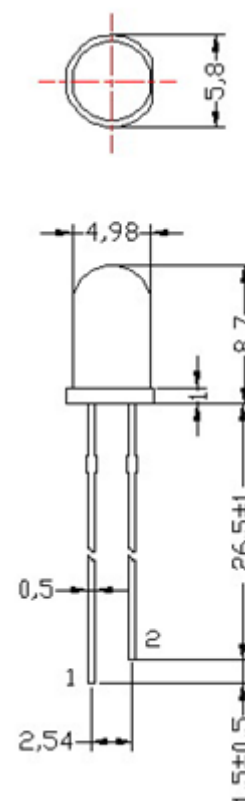
RLS-UV370 is an **InGaN** based ultra violet LED, emitting at a peak wavelength of typically 370 nm. It has an optical output power of typically 1 mW, and comes in a hermetically sealed clear 5 mm epoxy resin.

Maximum Rating ($T_{CASE} = 25^{\circ}C$)

| Parameter | Symbol | Values | | Unit |
|--------------------------------|-----------|--------|-------|-------------|
| | | Min. | Max. | |
| Power Dissipation, DC | P_D | | 70 | mW |
| Reverse Voltage | V_R | | 5 | V |
| Reverse Current | I_R | | 10 | μA |
| Operating Temperature | T_{OPR} | - 40 | + 85 | $^{\circ}C$ |
| Storage Temperature | T_{STG} | - 40 | + 100 | $^{\circ}C$ |
| Soldering Temperature (max 3s) | T_{SOL} | | + 260 | $^{\circ}C$ |

Electro-Optical Characteristics ($T_{CASE} = 25^{\circ}C$, $I_F = 20$ mA)

| Parameter | Symbol | Values | | | Unit |
|-----------------|-----------------|--------|------|------|------|
| | | Min. | Typ. | Max. | |
| Forward Voltage | V_F | 3.3 | | 4.0 | V |
| Output Power | P_O | | 1 | | mW |
| Beam Angle | $2\theta_{1/2}$ | | 20 | | deg. |
| Peak Wavelength | λ_P | 365 | | 375 | nm |



1. Anode
2. Cathode

All dimensions in mm

