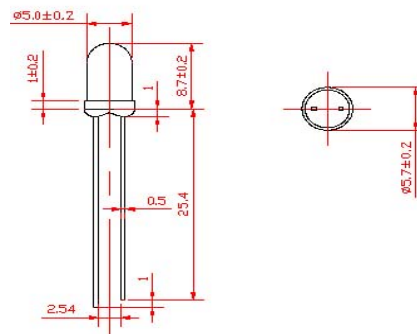


### Technical Data

### Package Dimension [mm]

#### DESCRIPTION

|                |                          |
|----------------|--------------------------|
| Type           | UV-LED 380D15            |
| Dice Material  | GaN                      |
| Light Color    | UV                       |
| Lens Color     | Water Clear UV Resistent |
| Lens Dimension | 5 mm                     |



### Absolute Maximum Ratings at Ta = 25 °C

| PARAMETER             | MAX              | UNIT |
|-----------------------|------------------|------|
| DC Forward Current    | 30               | mA   |
| Reverse Voltage       | 5                | V    |
| Power Dissipation     | 100              | mW   |
| Operation Temperature | Topr: -30 - +80  | °C   |
| Storage Temperature   | Topr: -30 - +100 | °C   |

Lead Soldering (MAX. 5 Seconds, 1.6 mm from body ) Temperature 260 °C

### Electrical Optical Characteristics at Ta = 25 °C

| DESCRIPTION              | SYMBOL      | TEST CONDITION | MIN | TYPE | MAX | UNIT |
|--------------------------|-------------|----------------|-----|------|-----|------|
| Forward Voltage          | Vf          | If = 20 mA     | -   | 3,5  | 4,5 | V    |
| Reverse Current          | Ir          | Vr = 5 V       | -   | -    | 10  | μA   |
| Peak Emission Wavelength | $\lambda_p$ | If = 20 mA     | 378 | -    | 383 | nm   |
| Spectral Line Halfwidth  | dλ          | If = 20 mA     | -   | 15   | -   | nm   |
| Viewing angle            | 2θ1/2       | If = 20 mA     | -   | 15   | -   | Deg  |
| Luminous Intensity       | Iv          | If = 20 mA     | 120 | -    | 220 | mcd  |

Soldering shall be performed after lead forming.

All dimensions are in millimeters.

Static electricity damages the LEDs. It is recommended to fully care when handling products.

ROITHNER LASERTECHNIK  
VIENNA AUSTRIA  
[www.roithner-laser.com](http://www.roithner-laser.com)  
[office@roithner-laser.com](mailto:office@roithner-laser.com)  
Tel.: +43 1 586 52 43-0  
Fax: +43 1 586 52 43 44