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AUSTRIA



## RLS-UV380

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



### Description

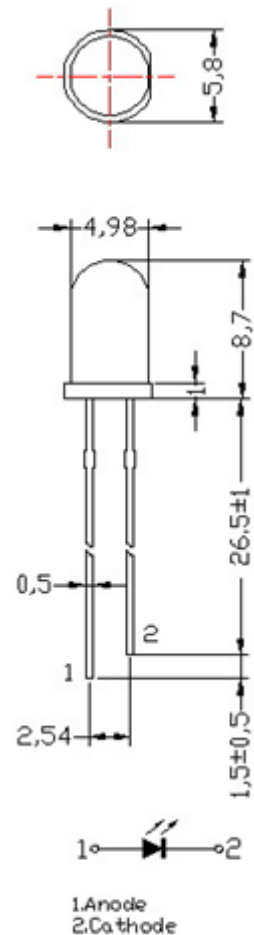
**RLS-UV380** is an **InGaN** based ultra violet LED, emitting at a peak wavelength of typically 380 nm. It has an optical output power of 10-18 mW, and comes in a hermetically sealed clear 5 mm epoxy resin.

### Maximum Rating (T<sub>CASE</sub> = 25°C)

Parameter	Symbol	Values		Unit
		Min.	Max.	
Power Dissipation, DC	P <sub>D</sub>		70	mW
Reverse Voltage	V <sub>R</sub>		5.0	V
Reverse Current	I <sub>R</sub>		50	μA
Operating Temperature	T <sub>OPR</sub>	- 40	+ 60	°C
Storage Temperature	T <sub>STG</sub>	- 40	+ 100	°C
Soldering Temperature (max 3s)	T <sub>SOL</sub>		+ 260	°C

### Electro-Optical Characteristics (T<sub>CASE</sub> = 25°C, I<sub>F</sub> = 20 mA)

Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Forward Voltage	V <sub>F</sub>	3.4		4.0	V
Output Power	P <sub>O</sub>	8		12	mW
Beam Angle	2Θ <sub>1/2</sub>		20		deg.
Peak Wavelength	λ <sub>P</sub>	380		390	nm



All dimensions in mm

