



ROITHNER LASERTECHNIK GmbH

WIEDNER HAUPTSTRASSE 76
TEL. +43 1 586 52 43 -O. FAX. -44

1040 VIENNA
OFFICE@ROITHNER-LASER.COM

AUSTRIA



LLS-UV400

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



Description

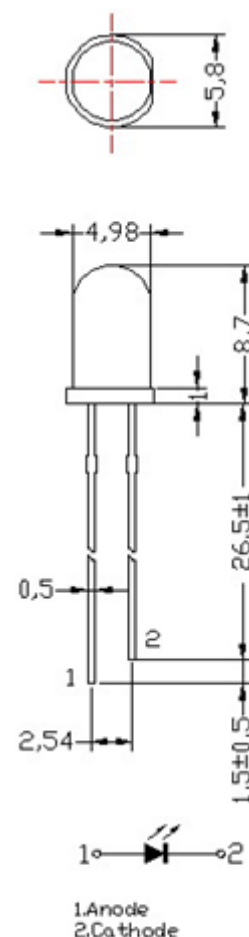
LLS-UV400 is an InGaN based ultra violet LED, emitting at a peak wavelength of typically 400 nm. It has an optical output power of 16-20 mW, and comes in a hermetically sealed clear 5 mm epoxy resin.

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

Parameter	Symbol	Values		Unit
		Min.	Max.	
Power Dissipation, DC	P_D		70	mW
Reverse Voltage	V_R		5.0	V
Reverse Current	I_R		50	μA
Operating Temperature	T_{OPR}	- 40	+ 60	$^{\circ}C$
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	3.0		3.5	V
Output Power	P_O	18		23	mW
Beam Angle	$2\theta_{1/2}$		15		deg.
Peak Wavelength	λ_P	395	400	410	nm



All dimensions in mm

