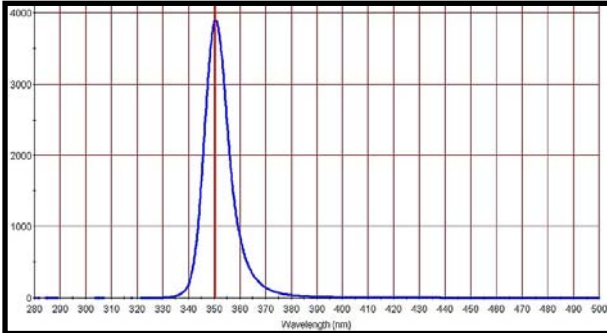


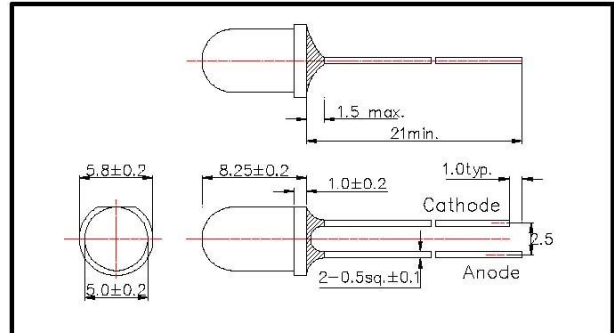
RLT350-0.3-15

UV-LED lamp

RLT350-0.3-15 is a InGaN UV-LED mounted on a lead frame with a clear UV resistant epoxy lens. On forward bias it emits UV light, which peaks at 351 nm.



emitted light spectrum



package dimensions

Key Specifications

HVPE epitaxy process
 Chip material: InGaN
 Peak wavelength: typ. 351 nm
 Package type: Lead Frame
 Resin material: 5 mm clear UV resistant epoxy



photography

Absolute Maximum Ratings (Ta = 25 °C)

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	130	mW	T _a = 25°C
Forward Current	I _F	30	mA	T _a = 25°C
Pulse Forward Current	I _{FP}	80	mA	T _a = 25°C
Reverse Voltage	V _R	5	V	T _a = 25°C
Operating Temperature	T _{OPR}	-20 ~ +80	°C	
Storage Temperature	T _{STG}	-40 ~ +100	°C	
Soldering Temperature	T _{SOL}	260	°C	

‡ Pulse forward current condition: duty cycle = 10% and pulse width = 10 ms. Soldering condition: soldering must be completed within 3 seconds at 260°C

Optical and Electrical Characteristics (Ta = 25 °C)

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F = 20 mA	3.6	4.3	5.0	V
Reverse Current	I _R	V _R = 5 V			100	uA
Radiated Power	P _O	I _F = 20 mA	100	200	350	μW
Peak Wavelength	λ _P	I _F = 20 mA	350	351	353	nm
Spectral Half Width	Δλ	I _F = 20 mA	8	10	12	nm
Viewing Half Angle	θ _{1/2}	I _F = 20 mA		±15		deg



ROITHNER LASERTECHNIK GmbH

WIEDNER HAUPTSTRASSE 76 IO40 VIENNA AUSTRIA EUROPE
 OFFICE@ROITHNER-LASER.COM WWW.ROITHNER-LASER.COM
 TEL: +43 1 586 52 43 -0. FAX: -44. UID: ATU61938489. FN: 266954f. HG WIEN

