

# RLT350-FW-T018

## FEATURES AND APPLICATIONS

UV-A wavelength, highly consistent

HVPE epitaxy process, patent protected, unique in the industry

UV lamps for industrial curing applications and medical/biomedical uses

## SPECIFICATIONS

### Absolute Maximum Rating (Ta = 25°C)

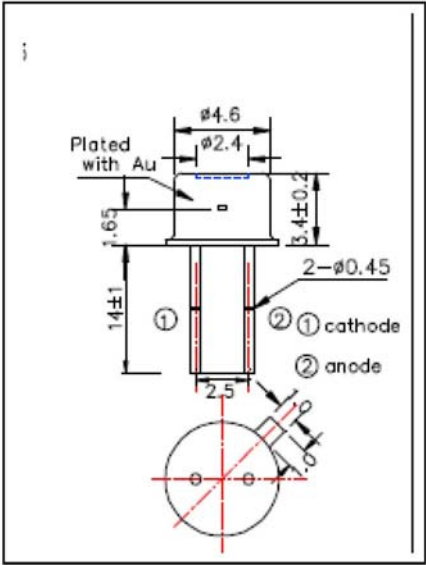
Item	Symbol	Maximum Rating	Unit
DC Forward Current	I <sub>f</sub>	30	mA
Pulse Forward Current*	I <sub>fp</sub>	80	mA
Reverse Voltage	V <sub>r</sub>	5	V
Operating Temperature	T <sub>opr</sub>	-20 to +80	°C
Storage Temperature	T <sub>stg</sub>	-40 to +100	°C

\*Condition: Duty Cycle: 1/10, Pulse Width: 10msec

### Optical and Electrical Characteristics (Ta = 25°C)

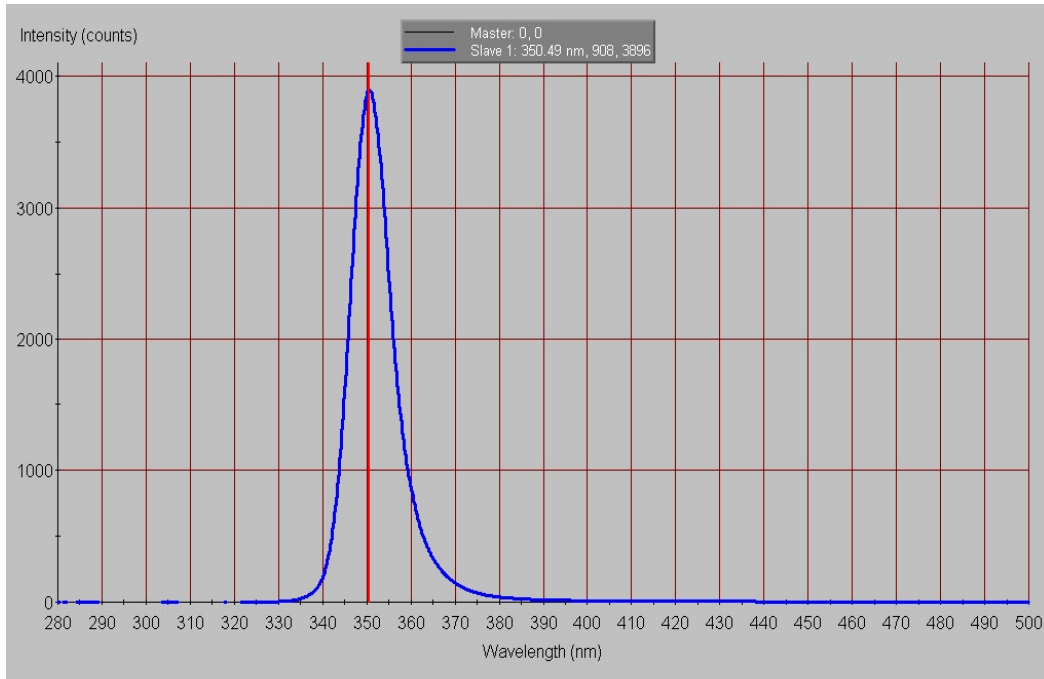
Item	Symbol	Condition	Min	Typ.	Max	unit
Forward Voltage	V <sub>f</sub>	I <sub>f</sub> =20mA	3.6	4.3	5.0	V
Reverse Current	I <sub>r</sub>	V <sub>r</sub> =5V	-	-	100	μA
Peak Wavelength	λ <sub>p</sub>	I <sub>f</sub> =20mA	350	352	355	nm
Viewing Angle		I <sub>f</sub> =20mA	-	90°	-	deg.
Output Power	P <sub>o</sub>	I <sub>f</sub> =20mA	50	100	200	μW

# LED Dimensions (typical)



TO-18 stem type mount  
Glass window  
45° viewing half angle  
Covered and hermetically sealed

## Typical Spectrum



## Warnings and Handling Instructions

- UV LEDs emit intense but mainly invisible ultraviolet radiation when in operation, which may be harmful to eyes, even for brief periods. •\* DO NOT LOOK DIRECTLY INTO THE UV LED DURING OPERATION \*
- \* BE SURE THAT YOU AND ALL PERSONS IN THE VICINITY WEAR SAFETY GOGGLES THAT PROVIDE SUITABLE UV PROTECTION WHEN A UV LED IS OPERATING \*
- \* KEEP CHILDREN AWAY FROM THE OPERATING VICINITY \* •\* KEEP UV LEDs OUT OF THE REACH OF CHILDREN \*
- If you incorporate a UV LED into a product, be sure to provide appropriate cautionary labels and instructions.
- Please follow all standard procedures for storing, handling, cleaning, mounting, soldering, disposal, or otherwise handling LED dies or packaged LEDs, including static electricity protection.