ROITHNER LASERTECHNIK
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RLT360-BL-TO18

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

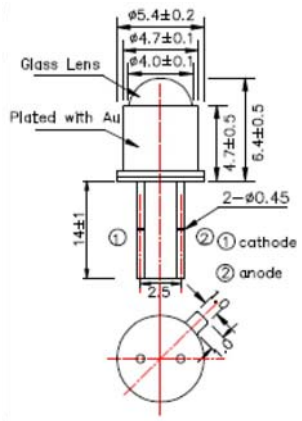
Absolute Maximum Rating (Ta = 25 °C)

Item	Symbol	Maximum Rating	Unit
DC Forward Current	If	30	mA
Pulse Forward Current*	Ifp	80	mA
Reverse Voltage	Vr	5	V
Operating Temperature	Topr	-20 to +80	oC
Storage Temperature	Tstg	-40 to +100	oC

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

Optical and Electrical Characteristics (Ta = 25 °C)

Item	Symbol	Condition	Min	Typ.	Max	unit
Forward Voltage	Vf	If = 20 mA	3.6	4.3	5.0	V
Reverse Current	Ir	Vr = 5 V	-	-	100	uA
Peak Wavelength	λp	If = 20 mA	360	361	363	nm
Viewing Angle		If = 20 mA	10	15	20	deg.
Output Power/Flux	Po	If = 20 mA	200	400	700	µW



LED Dimensions (typical)

TO-18 stem type mount
Glass ball lens
5º viewing half angle
Covered and hermetically sealed

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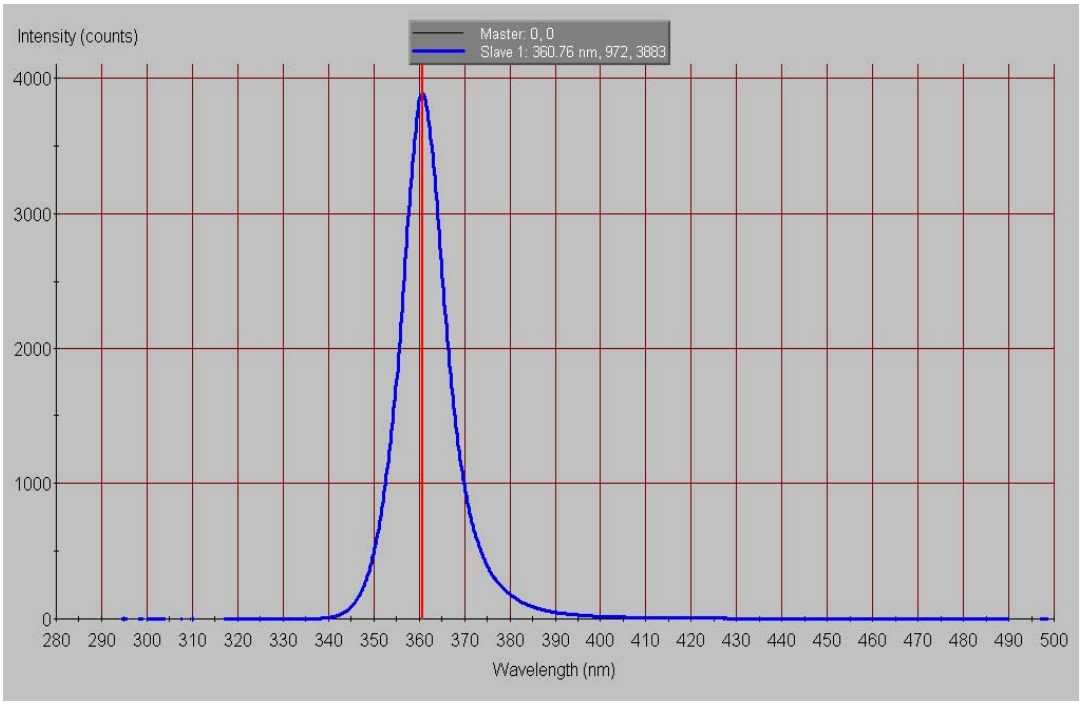
Typical Spectrum



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 WEASAFE 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.