

FG360-TO66FW110 Power Pack, 360nm



FEATURES AND APPLICATIONS

- Deep UV wavelength, highly consistent
- HVPE epitaxy process, patent protected, unique in the industry
- UV lamps for industrial curing and medical/biomedical applications

SPECIFICATIONS

Absolute Maximum Rating (Ta = 25°C)

Item	Symbol	Maximum Rating	Unit
DC Forward Current	I_f	300	mA
Reverse Voltage	V_r	25	V
Operating Temperature	T_{opr}	-20 to +80	°C
Storage Temperature	T_{stg}	-40 to +100	°C

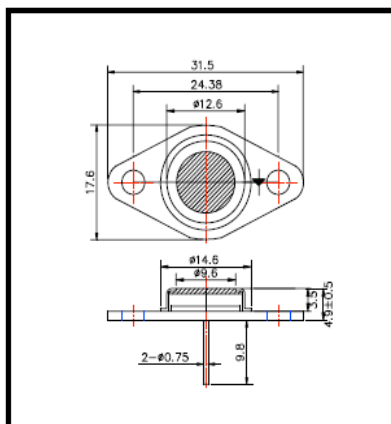
Optical and Electrical Characteristics (Ta = 25°C)

Item	Symbol	Condition	Min	Typ.	Max	unit
Forward Voltage	V_f	$I_f=240\text{mA}$	18	20	25	V
Reverse Current	I_r	$V_r=5\text{V}$	-	-	100	μA
Peak Wavelength	λ_p	$I_f=240\text{mA}$	360	361	363	nm
Viewing Angle		$I_f=240\text{mA}$	-	110	-	deg.
Output Power/Flux	P_o	$I_f=240\text{mA}$	35	50	60	mW

Heat sink required for thermal management, 8°K/Watt

Lamp Description (typical)

♦ Outer dimension(Unit:mm)



- TO-66 package, UV resistant, water clear epoxy encapsulant
- Circuit: 12 parallel strings of 5 dies in series, or equivalent

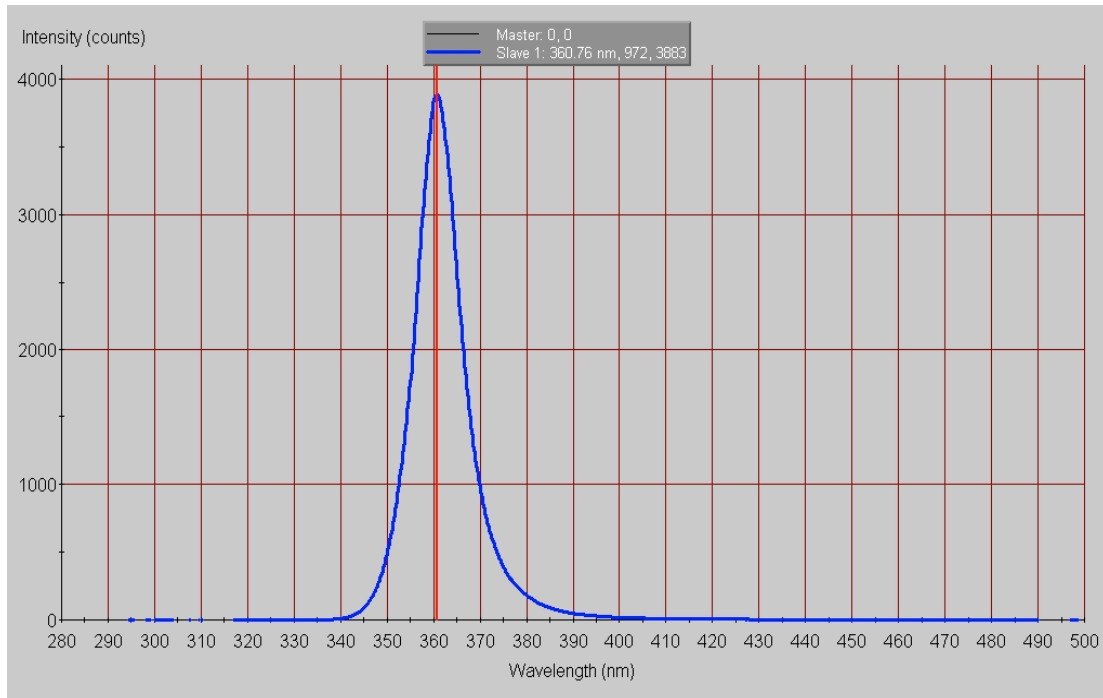
Rev B, Jan. 2014

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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 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.

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