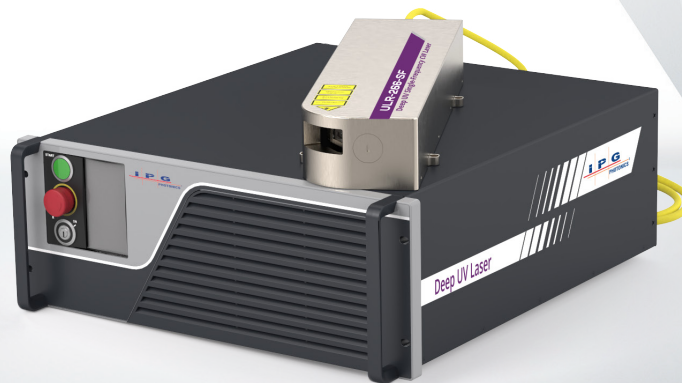


ULR-266-SF

Deep UV Single-frequency CW Fiber Laser

Industry Leading Reliability
CW Deep UV



NEW

FEATURES

- ▶ 3 Watts of Reliable Power at 266 nm
- ▶ Single-mode Beam Quality
- ▶ Single-frequency <1 MHz
- ▶ Exceptionally Long Crystal Lifetime
- ▶ Robust Compact Package

APPLICATIONS

- ▶ Inspection
- ▶ Photolithography
- ▶ FBG Writing & Disk Remastering
- ▶ Disinfection/Sterilization
- ▶ Spectroscopy

ULR-266 establishes a **new deep ultraviolet standard for 266 nm reliable power.**

Exceptional IPG non-linear crystal robustness enables **up to 3 W average power with industry-leading lifetimes.** The fiber-based architecture allows for an **easy-to-integrate, compact, lightweight optical head** tethered to a remote power supply, along **with exceptional beam stability.**

Innovative control electronics deliver the exceptional power stability required for industrial processes. The small, flexible form factor is **ideal for material processing workstations** utilized in the display, electronics, medical device and other industries.

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Deep UV Single-frequency CW Fiber Laser

Optical Characteristics

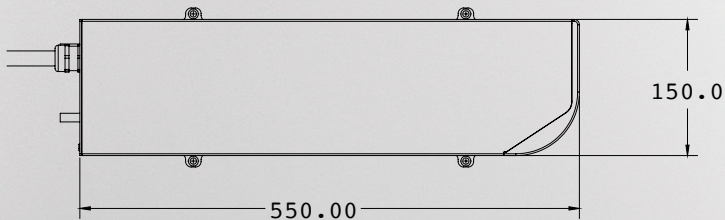
Wavelength, nm	266
Linewidth FWHM, MHz	<1
Mode of Operation	CW
Maximum Average Power, W	Up to 3
Power Tunability, %	5 - 100
Power Stability*, %	+/-1
Optical Noise (<20 MHz), %RMS	0.2
Polarization	Linear, >100:1
Beam Mode Quality. M ²	< 1.3

* Over 8 hours, T= const.

General Characteristics

Laser Console Dimensions** (W × D × H), mm	448 × 503 × 132
Optical Head Dimensions (W × D × H), mm	150 × 550 × 89
Cooling	Laser Console – Forced Air Optical Head - Water
Supply Voltage, VAC	100-240, 50-60 Hz
Power Consumption, W	<1000

** OEM Modules available upon request



Learn More



Contact Us:

DeepUV@IPG Photonics.com

MAX. AVERAGE OUTPUT POWER: 6 W
WAVELENGTH RANGE: 250-270 nm

DANGER - INVISIBLE LASER
RADIATION AVOID EYE OR SKIN
EXPOSURE TO DIRECT OR
SCATTERED RADIATION
CLASS 4 LASER PRODUCT

IEC 60825-1:2014

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