

ULPN-266

Deep UV Nanosecond Pulsed Fiber Laser

Industry Leading Reliability for
Micromachining Applications
DEEP UV



NEW

FEATURES

- ▶ 10 Watts Output Power at 266 nm
- ▶ 2 μ J pulses at 1.3 ns
- ▶ Maintenance Free Operation
- ▶ Robust Compact Package
- ▶ Lightweight Optical Head

MICROMACHINING APPLICATIONS

- ▶ Cutting & Drilling
- ▶ Texturing & Marking for PCBs, Flex Circuits
- ▶ Glass, Diamond & Teflon
- ▶ Selective Material Removal for LEDs & Displays

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

ULPN-266 laser is designed for micro-cutting, drilling, texturing, marking and selective material removal on challenging materials such as glass, diamond and Teflon. Exceptional IPG non-linear crystal robustness enables **industry-leading laser reliability and stability of process parameters.** The pulse energy is nearly independent of pulse repetition rate, resulting in **the highest productivity at the maximum average power.**

The fiber-based architecture allows for an **easy-to-integrate, compact, lightweight optical head** tethered to a remote air-cooled module. 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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Optical Characteristics

Wavelength, nm	266
Mode of Operation	Pulsed
Output Power, W	Up to 10
Power Tunability, %	10-100
Pulse Energy, μ J	Up to 2
Pulse Duration, ns	1.3
Repetition Rate, kHz	100-2700
Beam Mode Quality, M^2	<1.2

General Characteristics

OEM Laser Module Dimensions (W x D x H), mm	270 x 256 x 89
Optical Head Dimensions (W x D x H), mm	142 x 345 x 80
Optical Head Weight, kg	5
Cooling	Optical Head – Passive Conductive Laser Module – Forced Air
Supply Voltage, VDC	24
Power Consumption, W	<200

Learn More



Contact Us:

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MAX. AVERAGE OUTPUT POWER: 20 W
MAX. PEAK POWER: 5 kW
PULSE DURATION: 1-10 ns
PULSE REPETITION RATE: 100-2700 kHz
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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