

August, 2022

## AdValue Photonics **Delivered to NASA Goddard Space Flight Center**

### ***Fiber-based high-power UV laser***

#### **for Atmospheric Ozone Sensing Applications**

#### **UV wavelength, fiber-laser architecture, high-power pulsed laser**

- Wavelength 308 nm (tunable)
- 3 W average power, <10 ns pulse width, 100 kHz pulse repetition rate
- Diffraction-limited beam
- Fiber-based package, engineering prototype
- *A powerful source laser for atmospheric ozone sensing and measurements*

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#### ***AdValue Photonics Overview:***

As a leading manufacturer of innovative fiber lasers and amplifiers, and leveraging our unique capabilities in laser glasses and fibers, we deliver groundbreaking products to our customers.

- ♦ [Nanosecond](#) Fiber Lasers at wavelengths 0.5 $\mu$ m (Green), 1 $\mu$ m, 1.5 $\mu$ m, 2 $\mu$ m : **EVEREST<sub>nano</sub>**
- ♦ [Picosecond](#) Fiber Lasers at 0.5 $\mu$ m (Green), 1 $\mu$ m : **EVEREST<sub>pico</sub>**
- ♦ [Pulsed Single-Frequency Lasers](#) : 1 $\mu$ m, 1.5 $\mu$ m, 2 $\mu$ m
- ♦ [2 \$\mu\$ m family](#) Lasers and Amplifiers : ns/ps/fs pulsed, single-frequency, CW, broadband
- ♦ Fiber Laser [Components](#) : Couplers, Isolators, Circulators

*Manufactured in the Optics Valley,  
Tucson, Arizona, USA*

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