

May, 2024

## High-Energy Single-Frequency Pulsed Lasers at 1.55 $\mu$ m Were Shipped

- We delivered a **1572nm Er-doped fiber laser** to NASA. It features
  - ◆ **1.8mJ** pulse energy
  - ◆ **4.5W** average power
  - ◆ Single-frequency transform-limited bandwidth
  - ◆ Near diffraction-limited output beam
  
- Recently we have shipped two **1545nm Er-doped fiber lasers** to DoD. The key specs are
  - ◆ **1mJ** pulse energy
  - ◆ **20W** average power
  - ◆ Single-frequency transform-limited bandwidth
  - ◆ Near diffraction-limited output beam
  - ◆ One is fluid-cooled and the other is air-cooled

For more details, please click [1.5 \$\mu\$ m single-frequency pulsed laser](#).

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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>**
- ◆ [Single-Frequency](#) Lasers (CW and pulsed): 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
- ◆ [Laser Machines](#) for material processing: glass drilling, glass cutting and ceramic cutting

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