

April, 2024

## Er Fiber Amplifier Module for High-Energy High-Peak-Power Pulse Amplification

- High Energy, 1.5 mJ pulses
- High Peak Power, hundreds of kW
- High power, up to 20 W average power
- $M^2 < 1.3$
- Conductive Cooling (Not water-cooling)

An Enabler for “Eye-Safe” High-Power Lidar Systems



[Er fiber amplifier module  
specification sheet](#)

### **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***nano*
- ◆ [Picosecond](#) Fiber Lasers at 0.5 $\mu$ m (Green), 1 $\mu$ m : **EVEREST***pico*
- ◆ [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*