

June, 2022

Yb Fiber Amplifier for Femtosecond Fiber Lasers

--- *Extremely Compact and Powerful* ---

- Mode field diameter $>40\mu\text{m}$, $M^2 < 1.2$
- $100\mu\text{J}$ for 400ps pulse width
- 100W average output power
- 23dB gain at 1030nm
- Package length, 21.7 cm (8.5 inch)
- Fusion splicing with pump combiner
- *Extraordinary optic nonlinearity suppression*
- *No free-space coupling like photonic crystal fibers*
- *Various levels OEM or integrated system available*
- *50 μm mode field diameter and 150W output power are available*
- *US Patents Protected*



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.

- ◆ Green, 1 μm , 1.5 μm , 2 μm Nanosecond Fiber Lasers
- ◆ Green and 1 μm Picosecond Fiber Lasers
- ◆ Single-Frequency Lasers: 1 μm , 1.55 μm , 2 μm
- ◆ 2 μm Lasers and Amplifiers (ns/ps/fs pulsed, single-frequency, CW, broadband)
- ◆ Fiber Laser Components: Couplers, Isolators, Circulators

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