



A Furukawa Company

## VLMA Er Amplifier



### Features and Benefits

- All-fiber design
- 50  $\mu\text{m}$  core diameter
- Diffraction limited output
- PM and non-PM versions available
- 1 ns pulses amplified to 100  $\mu\text{J}$ , 100kW peak power

### Overview

Development of the new Very Large Mode Area Erbium Doped Fiber Amplifier Module was driven by increasing demand for high energy and high peak power pulses for a wide variety of industrial and scientific applications.

The VLMA Amplifier Module builds upon the TrueMode™ Fiber Laser Cavity family designed for kilowatt single-mode fiber lasers for industrial machining and welding. OFS, a global market leader in the design and manufacture of rare-earth doped fibers, possess the expertise and experience in fiber fabrication necessary to meet that demand. OFS has been developing and manufacturing high-power components and modules for many years and understands the reliability standards expected in the diverse material processing applications.

### Typical Applications

Free Space Communications

LIDAR

Micro-machining

Femtosecond Chirped Pulse Amplification

