

Laser & Amplifier Sub-Assemblies

PRODUCT DESCRIPTION

CorActive offers optical sub-assemblies that include CorActive active double clad fibers. CorActive sub-assemblies are offered in different configurations to meet specific customer requirements.

CORACTIVE CAPABILITIES

- Highly qualified R&D team of fiber laser&lifier specialists
- State-of-the-art optical fiber manufacturing facility
- Cost-competitive and differentiated OEM fiber laser/amplifier solution
- Outstanding customer support from product development to full production stage

ADVANTAGES

- Based on CorActive active double clad fibers
- Fully tested and optimized design that reduces development costs and accelerate time-to-market
- Reduced non-linear effect solution with high beam quality and high efficiency
- Customizable:
 - Wide lasing wavelength range available
 - Different levels of integration offered
 - Optical performance to meet specific application requirements
- Optimal matching of all fiber components – active fiber, Bragg gratings, combiner, etc.
- Easily integrates into OEM products

APPLICATIONS

- High-Power Lasers and Amplifiers
- Industrial Lasers
- Sensing & Environmental
- LIDAR
- High-Power CATV/Telecom Amplifiers

SPECIFICATIONS

CorActive DLA Series of laser sub-assemblies are specifically designed for fiber laser applications. DLA Series typically include CorActive active fiber with a pump combiner and a pair of fiber Bragg gratings.

CorActive DAA Series of amplifier sub-assemblies are specifically designed for high-power optical amplifier applications or for use as power amplifier sections in MOPA-baser fiber laser designs.

Optical

Available Wavelength	μm	1.0 or 1.5
Mode of Operation		CW ¹
Polarization		Random ²

Mechanical

Enclosure		Optional
Pump Input & In/Out Fiber Length	m	0.5

1. Pulsed version available upon request
2. PM version available upon request

ORDERING INFORMATION

