

# DCF-YB-6/128-PM

## Yb Doped Double Clad Fiber

CorActive's Yb doped double clad fibers offer high doping concentrations and high QCE values that ensure minimum fiber length, minimum pump power and reduced non-linearities.

CorActive's DCF-YB-6/128-PM Yb doped double clad fiber features high pump absorption and photodarkening-free performance that makes this product the ideal solution for the design of LIDAR or frequency-doubled lasers

### SPECIFICATIONS

#### Optical

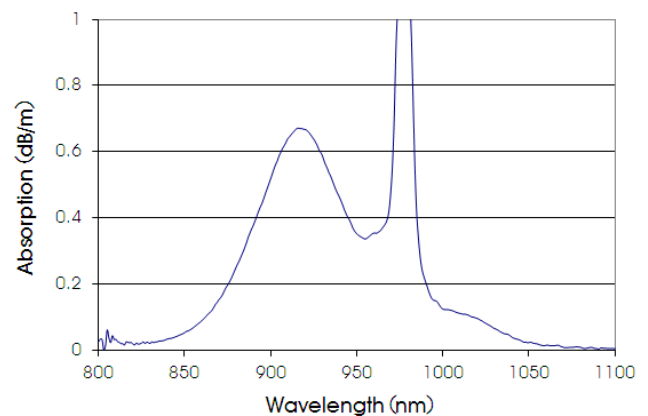
Clad Absorption @ 915nm	dB/m	$0.60 \pm 0.15$
Clad Absorption @ 975nm (nominal)	dB/m	(2.6)
Core Numerical Aperture		$0.16 \pm 0.02$
Clad Numerical Aperture		$> 0.45$
Birefringence		$> 2.0E-04$

#### Geometrical&Mechanical

Core Diameter	$\mu\text{m}$	$6.5 \pm 1.0$
Clad Diameter	$\mu\text{m}$	$128 \pm 3$
Clad Geometry		Round
Coating Diameter	$\mu\text{m}$	$260 \pm 20$

### PERFORMANCES

Pump Absorption Spectrum



### TYPICAL APPLICATIONS

- Second Harmonic Generation
- LIDAR
- Scientific/Research
- Medical

### ADVANTAGES

- Singlemode operation for excellent beam quality
- Photodarkening-free performance at high power ensures stable long-term operation
- High efficiency for reduced pump power requirements

### RELATED PRODUCTS

- Non-PM Yb doped version: DCF-YB-6/128

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