



## Features

- **Direct Nanoparticle Deposition:** Industry leading fiber deposition process
- **New LIEKKI® fiber for linear polarized CW fiber lasers:**  
Core design balances robust single-mode operation and onset of nonlinear effects for multi-100W CW power applications.  
Easy fiber handling thanks to 250 µm cladding diameter  
Low intrinsic and photodarkening losses for highest efficiency and reliability
- **Reliability:** Coating proven to operate up to 150°C and in extreme humidity.
- **Compatibility:** nLIGHT passive fibers matched for minimal splice loss

## Applications

- For linear polarized CW fiber lasers with multi-100W power levels
- Industrial applications
- IR sources for frequency doubling

## Typical Fiber Specifications

Fiber	LIEKKI® Yb1200-15/250DC-PM	
Optical	Units	
Peak Cladding Absorption at 976 nm (nominal)	dB/m	(3.2)
Cladding Absorption at 920 nm	dB/m	0.76 ± 0.14
Core Numerical Aperture ( <i>real</i> /NA)		0.070 ± 0.005
Cladding Numerical Aperture, ≥		0.48
Core background loss at 1200 nm, ≤	dB/km	15
Birefringence, ≥	1E-04	1.0
Geometrical and mechanical		
Core Diameter	µm	14.5 ± 1.0
Core Concentricity Error, ≤	µm	1.0
Cladding Diameter	µm	250 ± 5.0
Cladding Geometry		Round, PANDA
Coating Diameter		350 ± 15
Coating Material		Dual coated low index acrylate
Proof Test, ≥	kpsi	100

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