



LIEKKI™ Yb800-20/400 fibers are highly doped fibers for medium power fiber lasers and amplifiers. They combine a large core with excellent beam quality and 400 μm cladding capable of accepting medium pump powers.

Features

- Low photodarkening
- Large, low NA core
- Low non-linear effects
- Excellent beam quality
- Large cladding for medium power pumping

Applications

- Medium power CW on pulsed fiber lasers and amplifiers
- Medical, industrial and scientific applications
- Medium power, high beam quality applications

Typical Device Performance

Fiber		LIEKKI™ Yb800-20/400DC
Optical		
Peak Cladding Absorption at 976 nm (nominal)	dB/m	(2.2)
Cladding Absorption at 920 nm	dB/m	0.5 ± 0.1
Core Numerical Aperature		0.065 ± 0.005
Geometrical and Mechanical		
Core Diameter	µm	20
Core Concentricity Error	µm	< 1.5
Cladding Diameter (flat-to-flat)	µm	400 ± 15
Cladding Geometry		Octagonal
Coating Diameter	µm	520 ± 15
Coating Material		Low Index Acrylate
Cladding Numerical Aperture		> 0.48