



LIEKKI™ Yb1200-12/125 fibers are highly doped fibers for medium power fiber laser and amplifier applications. The combination of high cladding absorption and single mode core makes them ideal for compact fiber based power amplifiers.

Features

- High brightness single mode core
 - Medium pump absorption
 - Large, low NA core
 - Low non-linear effects
 - Low photodarkening
 - Telcom-like geometry
- Multimode combiners available

Applications

- Medium power amplifiers and lasers
- Pulsed and CW applications
- Industrial, medical and scientific applications

Typical Device Performance

Fiber		LIEKKI™ Yb1200-12/125DC	LIEKKI™ Yb1200-12/125DC-PM
Optical			
Peak Cladding Absorption at 976 nm (nominal)	dB/m	(11.1)	
Cladding Absorption at 920 nm	dB/m	2.6 ± 0.7	
Core Numerical Aperture		0.08 ± 0.01	
Birefringence			>1.4e-4
Geometrical and Mechanical			
Core Diameter	µm	12.5 ± 1	
Core Concentricity Error	µm	< 1.5	
Cladding Diameter (flat-to-flat)	µm	125 ± 2	
Cladding Geometry		Octagonal	Round
Coating Diameter	µm	245 ± 15	
Coating Material		Low Index Acrylate	
Cladding Numerical Aperture		> 0.46	
Proof Test	Kpsi	> 100	

Typical Performance Data

