



LIEKKI™ Yb700-6/125-PM fiber is a highly doped fibers for polarization maintaining low power fiber laser and amplifier applications. The fiber is designed for core pumping applications, and can be used either in cw or pulsed regime.

## Features

- High brightness single mode core
- High core pump absorption
- Non-photodarkening
- Matching passive fiber available

## Applications

- Low power resonators
- Low power amplifiers
- CW and pulsed applications
- Industrial, medical and scientific applications

## Typical Device Performance

Fiber		LIEKKI™ Yb700-6/125-PM
<b>Optical</b>		
Peak Core Absorption at 976 nm (nominal)	dB/m	(700)
Core Absorption at 920 nm	dB/m	175 ± 25
Core Numerical Aperture		0.15 ± 0.01
Core Mode Field Diameter	μm	6.0 ± 0.8
Birefringence	1e-4	≥ 2.0
<b>Geometrical and Mechanical</b>		
Core Concentricity Error	μm	≤ 1.0
Cladding Diameter	μm	125 ± 2
Cladding Geometry		Panda
Coating Diameter	μm	245 ± 15
Coating Material		High index acrylate
Proof Test	Kpsi	≥ 100