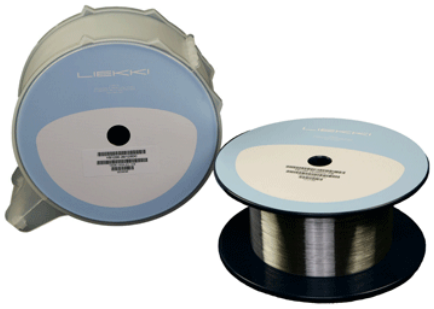
LIEKKI™ Yb1200-12/125

Large Mode Area Ytterbium Doped Fiber



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.

LIEKKI™ Yb1200-12/125 fibers are currently only available as double cladding (Yb1200-12/125DC) fibers.

Applications

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

Features

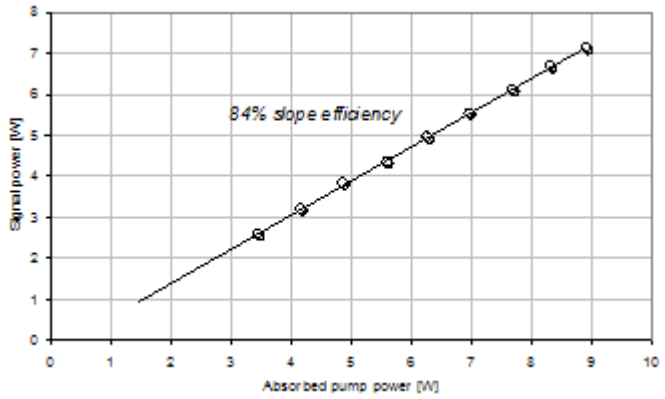
- High brightness single mode core
- Medium pump absorption
- Large, low NA core
- Low non-linear effects
- Low photodarkening
- Telcom-like geometry
- Multimode combiners available

Typical device specification

		LIEKKI™ Yb1200-12/125DC
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		0.07 ± 0.01
Geometrical and mechanical		
Core diameter	µm	12 ± 1
Core concentricity error	µm	< 1.5
Cladding diameter	µm	125 ± 2
Cladding geometry		octagonal
Coating diameter	µm	245 ± 15
Coating material		low index acrylate
Cladding numerical aperture		> 0.46
Proof test	kpsi	> 100

nLIGHT Corporation • 5408 NE 88th Street • Vancouver, WA 98665 • USA
Tel. +1 360 566 4460 • Fax. +1 360 546 1960 • fibers@nlight.net • www.nlight.net

Typical performance data



nLIGHT Corporation • 5408 NE 88th Street • Vancouver, WA 98665 • USA
Tel. +1 360 566 4460 • Fax. +1 360 546 1960 • fibers@nlight.net • www.nlight.net