



LIEKKI<sup>TM</sup> Yb700-20/125 fibers are amplifier fibers with large core to cladding area ratio. The fibers have high photodarkening resistivity and a short application length.

LIEKKI<sup>TM</sup> Yb700-20/125 fibers are currently only available as double cladding (Yb700-20/125DC) fibers.

## **Features**

**Applications** 

- High photodarkening resistivity
- Large core to cladding area ratio, short application length
- Matching 6+1:1 pump to signal combiner is available

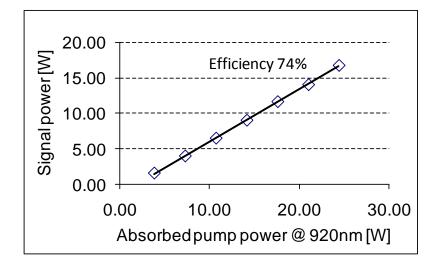
- High peak power, moderate average power amplifiers
- Marking

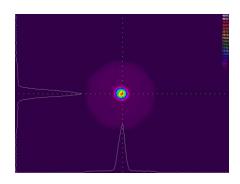
## **Proven Performance**

## **Typical Device Performance**

Package		LIEKKI <sup>™</sup> Yb700-20/125DC
Optical		
Peak Cladding Absorption at 976 nm (nominal)	dB/m	(17.2)
Cladding Absorption at 920 nm	dB/m	$4.0 \pm 0.5$
Core Numerical Aperature		$0.08 \pm 0.01$
Geometrical and Mechanical		
Core Diameter	μm	20 ± 2
Core Concentricity Error	μm	< 1.5
Cladding Diameter	μm	125 ± 2
Cladding Geometry		Octagonal
Coating Diameter	μm	245 ± 15
Cladding Numerical Aperture		> 0.46
Proof Test	Kpsi	> 100

## **Typical Performance Data**





**Proven Performance**