



LIEKKI™ Yb700-30/250 fibers are amplifier fibers with large core to cladding area ratio. The fibers have high photodarkening resistivity and a short application length.

LIEKKI™ Yb700-30/250 fibers are currently only available as double cladding (Yb700-30/250DC) fibers.

Features

- High photodarkening resistivity
- Large core to cladding area ratio, short application length

Applications

- CW Amplification
- Pulsed Amplification
- Nonlinear Wavelength Conversion

Typical Device Performance

Fiber		LIEKKI™ Yb700-30/250DC
Optical		
Peak Cladding Absorption at 976 nm (nominal)	dB/m	(9.5)
Cladding Absorption at 920 nm	dB/m	2.2 ± 0.3
Core Numerical Aperture		0.07 ± 0.01
Geometrical and Mechanical		
Core Diameter	µm	30 ± 3
Core Concentricity Error	µm	< 1.5
Cladding Diameter	µm	250 ± 10
Cladding Geometry		Octagonal
Coating Diameter	µm	350 ± 15
Cladding Numerical Aperture		> 0.46
Proof Test	Kpsi	> 100

Proven Performance