



LIEKKI™ Yb700-25/250 fibers are amplifier fibers with large core to cladding area ratio. The fibers have high photodarkening resistivity and a short application length.

LIEKKI™ Yb700-25/250 fibers are available as double cladding (Yb700-25/250DC) and double cladding polarization maintaining (Yb700-25/250DC-PM) fibers.

Features

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

Applications

- CW Amplification
- Pulsed Amplification
- Nonlinear Wavelength Conversion

Proven Performance

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Typical Device Performance

Fiber		LIEKKI™ Yb700-25/250DC	LIEKKI™ Yb700-25/250DC-PM
Optical			
Peak Cladding Absorption at 976 nm (nominal)	dB/m	(6.5)	(6.5)
Cladding Absorption at 920 nm	dB/m	1.5 ± 0.2	1.5 ± 0.2
Core Numerical Aperture		0.07 ± 0.01	0.07 ± 0.01
Birefringence			> 1.40E-04
Geometrical and Mechanical			
Core Diameter	µm	25 ± 2.5	25 ± 2.5
Core Concentricity Error	µm	< 1.5	< 1.5
Cladding Diameter	µm	250 ± 10	250 ± 10
Cladding Geometry		Octagonal	Round
Coating Diameter	µm	350 ± 15	350 ± 15
Cladding Numerical Aperture		> 0.46	> 0.46
Proof Test	Kpsi	> 100	> 100

Typical Performance Data

