

LIEKKI™ Yb700-30/250

Large Mode Area Ytterbium Doped Fiber



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.

Applications

- CW amplification
- Pulsed amplification
- Nonlinear wavelength conversion

Features

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

Typical device specification

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 ± 15
Cladding geometry		Octagonal
Coating diameter	µm	350 ± 15
Coating material		Low index acrylate
Cladding numerical aperture		> 0.46
Proof test	kpsi	> 100

Notice

nLIGHT continually improves its products to provide its customers with outstanding quality and reliability. nLIGHT may make changes to specifications and product descriptions at any time, without notice. In addition, nLIGHT offers a limited warranty to ensure customer satisfaction. For complete details, please contact your nLIGHT sales representative.