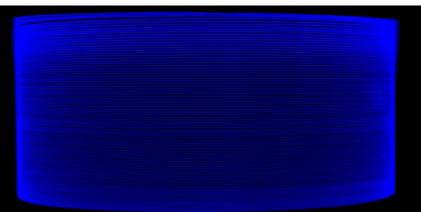


Large Mode Area Single Clad Erbium Doped Fiber



## **Features**

- Direct Nanoparticle Deposition: Industry leading fiber deposition process
- **Performance**: Very high Erbium doping for short application length and low nonlinearities Suitable for both 980nm and 1480nm pumping Polarization maintaining version available
- Reliability: Telecom grade dual layer UV-cured acrylate coating
- **Compatibility**: Telecom-like geometry with good spliceability to standard SM fibers (SMF-28)

## **Applications**

- Short pulsed amplifiers and lasers
- Medium power, low nonlinearity applications

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• Pre-amplifier for LIDAR

Fiber		LIEKKI <sup>®</sup> Er80-8/125	LIEKKI <sup>®</sup> Er80-8/125-PM
Optical	Units		
Mode Field Diameter at 1550 nm <sup>(1)</sup>	μm	9.5 ± 0.8	9.5 ± 0.8
Peak Core Absorption at 1530 nm	dB/m	80.0 ± 8.0	80.0 ± 16.0
Core Numerical Aperture (nominal)		0.13	0.13
Cut-off wavelength <sup>(2)</sup>	nm	1250 ± 150	1250 ± 150
Birefringence, ≥	1E-04	-	1.0
Geometrical and mechanical	i i i		
Core Concentricity Error, ≤	μm	0.7	0.7
Core Ellipticity Error, ≤	%	5.0	5.0
Cladding Diameter	μm	125 ± 2	125 ± 2
Cladding Geometry		Round	Round, PANDA
Coating Diameter		245 ± 15	245 ± 15
Coating Material		Dual coated high index acrylate	Dual coated high index acrylate
Proof Test, ≥	kpsi	100	100

<sup>(1)</sup> Near-field Mode Field Diameter

(2) Calculated value

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