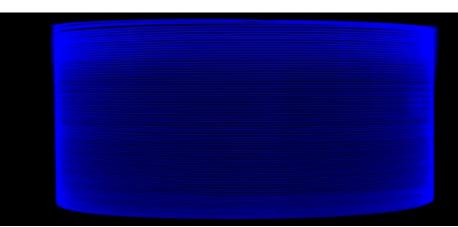


Er80-8/125(-PM)

Large Mode Area Single Clad Erbium Doped Fiber



Features Applications

- 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)
- Short pulsed amplifiers and lasers
- Medium power, low nonlinearity applications
- Pre-amplifier for LIDAR

Typical Fiber Specifications

Fiber		LIEKKI [®] Er80-8/125	LIEKKI [®] Er80-8/125-PM
Optical	Units		
Mode Field Diameter at 1550 nm ⁽¹⁾	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 (2)	nm	1250 ± 150	1250 ± 150
Birefringence, ≥	1E-04	-	1.0
Geometrical and mechanical			
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

⁽¹⁾ Near-field Mode Field Diameter

nLIGHT continually improves its products to provide outstanding quality and reliability. The information contained herein issubject to change without notice. nLIGHT, Inc. shall not be liable for technical or editorial errors or omissions contained herein. Warranties are set forth in express warranty statements accompanying products Nothing herein should be constituting an additional warranty. For details, please contact your nLIGHT sales representative.

⁽²⁾ Calculated value