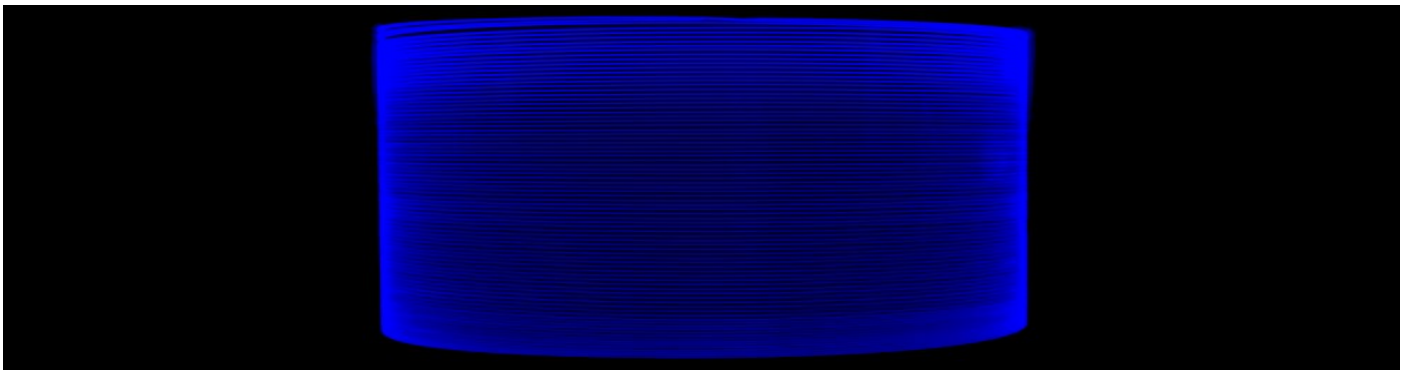
LIEKKI®

Large Mode Area Passive-10/125 Fibers



Features

- **Compatibility**:
  Designed to match to Tm-doped LIEKKI® fibers
  realNA — most accurate fiber core NA for minimal splice loss
  Glass cladding diameter is designed to “fit-in” octagonal active fibers
  Fiber Bragg Gratings can be written into all large mode area passive fibers
- **Reliability**:
  Single cladding fibers feature a telecom grade dual layer high-index acrylate coating
  Double cladding fiber coating proven to operate up to 150˚C and in extreme humidity

Applications

- Fiber-based components for Tm-doped fiber lasers (e.g. pump combiners; FBGs)
- Pigtails for fiber lasers and amplifiers
- All-fiber subassemblies

Typical Fiber Specifications

LIEKKI® Fiber		Passive-10/125 0.15 NA	Passive-10/125DC 0.15 NA
Optical	**Units**		
Core Numerical Aperture		0.150 ± 0.010	
Cladding Numerical Aperture, ≥		-	0.48
Core Background Loss at 1200 nm, ≤	dB/km	5.0	
Geometrical and mechanical			
Core Diameter	µm	10.0 ± 1	
Core Concentricity Error, ≤	µm	1.5	
Cladding Diameter	µm	125.0 ± 2	
Cladding Geometry		Round	
Coating Diameter		245 ± 15	
Coating Material		Dual coated high index acrylate	Dual coated low index acrylate
Proof Test, ≥	kpsi	100	

Matched Tm-doped LIEKKI® Fiber

Tm1500-10/125DC

+358 19 357391 | fibers@nlight.net | www.nlight.net

nLIGHT