



Features

Applications

- Compatibility:**
 Designed to match to Yb-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

- Fiber-based components for Yb-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(-PM)		Passive-10/125DC(-PM)		
Optical	Units				
Core Numerical Aperture	0.08 ± 0.005				
Cladding Numerical Aperture, ≥	-		0.48		
Core Background Loss at 1200 nm, ≤ dB/km	5.0				
Geometrical and mechanical					
Birefringence, ≥	1E-04	-	1.4	-	1.4
Core Diameter	µm	10.0 ± 1			
Core Concentricity Error, ≤	µm	1.0			
Cladding Diameter	µm	125.0 ± 2	125.0 ± 1	125.0 ± 2	125.0 ± 1
Cladding Geometry		Round	Round, Panda	Round	Round, Panda
Coating Diameter		245 ± 15			
Coating Material		Dual coated high index acrylate		Dual coated low index acrylate	
Proof Test, ≥	kpsi	100			

Matched Yb-doped LIEKKI® Fiber

Yb1200-10/125DC	Yb1200-10/125DC-PM
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