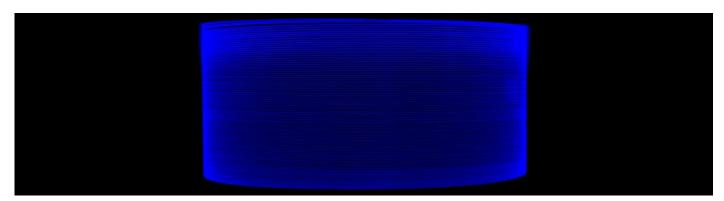
LIEKKI®

Large Mode Area Passive-10/125 Fibers



Applications 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

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 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

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