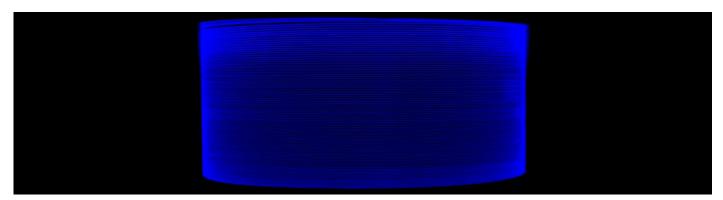
LIEKKI®

Large Mode Area Passive-20/125 Fibers



Features Applications

Compatibility:

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

combiners; FBGs)

Pigtails for fiber lasers and amplifiers

for fiber lasers (e.g. pump

All-fiber subassemblies

Typical Fiber Specifications

LIEKKI [®] Fiber		Passive-20/125-PM (Yb800)	Passive-20/125DC-PM (Yb800)
Optical	Units		
Mode Field Diameter at 1060nm (1)	μm	15.0 ± 1.0	
Cladding Numerical Aperture, ≥		-	0.48
Core Background Loss at 1200 nm, ≤ dB/km		15	
Geometrical and mechanical			
Birefringence, ≥	1E-04	-	0.8
Core Concentricity Error, ≤	μm	1.0	
Cladding Diameter	μm	125.0 ± 1	
Cladding Geometry		Round	Round, Panda
Coating Diameter		245 ± 15	
Coating Material		Dual coated high index acrylate	Dual coated low index acrylate
Proof Test, ≥	kpsi	100	

⁽¹⁾ Near-field Mode Field Diameter

Matched Yb-doped LIEKKI® Fiber

Yb800-20/125DC-PM

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