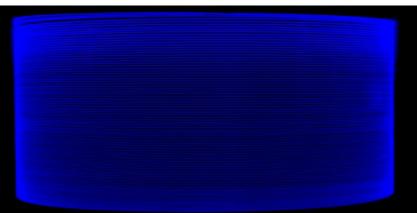


Tm1500-10/125DC

Single Mode Double Cladding Thulium Doped Fiber



Features

- Direct Nanoparticle Deposition: Industry leading fiber deposition process
- Design: Cladding pumped design with pedestal
- Performance: Thulium concentrations optimized for highest efficiencies (>60% at 1970nm) High cladding absorption Single mode operation
- Reliability: Coating proven to operate up to 150°C and in extreme humidity
- **Compatibility**: nLIGHT passive fibers matched for minimal splice loss

Typical Fiber Specifications

Fiber		LIEKKI [®] Tm1500-10/125DC
Optical	Units	
Cladding Absorption at 1180 nm (nominal)	dB/m	(2.40)
Cladding Absorption at 789 nm	dB/m	9.5 ± 2.5
Core Numerical Aperture (<i>real</i> NA)		0.150 ± 0.01
Cladding Numerical Aperture, ≥		0.48
Geometrical and mechanical		
Core Diameter	μm	10.0 ± 1.0
Core Concentricity Error, ≤	μm	1.0
Cladding Diameter (flat-to-flat)	μm	125 ± 2
Pedestal		Yes
Cladding Geometry		Octagonal
Coating Diameter		245 ± 15
Coating Material		Dual coated low index acrylate
Proof Test, ≥	kpsi	100

Applications

- Low to medium power cladding pumped fiber lasers and amplifiers
- Pulsed and CW applications in industrial and medical lasers
- LIDAR

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