

Yb-MCOF-10/125-08-1.6-PM

Yb-doped PM fiber



The Yb-MCOF-10/125-08-1.6-PM fiber is a PM, multicladd singlemode fiber based on a low photodarkening core glass host ensuring long term performances. Its single mode output design makes it the perfect choice for pulsed fiber lasers and amplifiers requiring superior beam quality.

Features & Benefits

- Single mode output design
- High birefringence
- Low photodarkening

Applications

- Pulsed fiber amplifiers and lasers
- Frequency Conversion
- Material Processing

Specifications

Optical

Cladding Absorption @ 915 nm (dB/m)	1.6 ± 0.3
Cladding Absorption @ 975 nm - Nominal (dB/m)	6
Numerical Aperture - Core	0.08 ± 0.01
Numerical Aperture - Cladding	> 0.47
Birefringence	≥ 2.0 × 10 ⁻⁴

Geometrical & Mechanical

Optical Cladding	Multi
Core Diameter (µm)	10 ± 1
Silica Cladding Diameter (µm)	125 ± 1
Coating Diameter (µm)	250 ± 10
Cladding Geometry	Round
Core/Cladding Concentricity Error (µm)	< 1
Screen Proof Tested (kpsi)	≥ 100
Recommended Coiling Diameter (cm)	≥ 12
Confined Core	No
Depressed Cladding	No