



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

Yb-DOPED PM FIBER

SOLUTION OVERVIEW

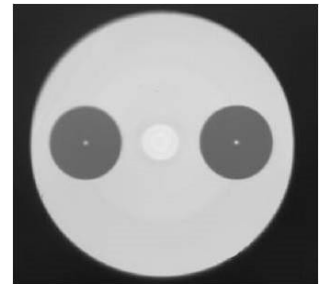
The Yb-MCOF-10/125-08-1.6-PM fiber is a PM, multicladd singlemode fiber based on a low photodarkening core glass host ensuring long-term performances. Its singlemode output design makes it the perfect choice for pulsed fiber lasers and amplifiers requiring superior beam quality.

FEATURES

- Single-mode output design
- High birefringence
- Low photodarkening

TYPICAL APPLICATIONS

- Pulsed fiber amplifiers and lasers
- Frequency conversion
- Material processing



MAIN SPECIFICATIONS

OPTICAL PROPERTIES	
Core NA	0.08 ± 0.01
Cladding NA	> 0.47
Pump guide absorption @ 915 nm	1.6 ± 0.3 dB/m
Nominal pump guide absorption @ 975 nm	6 dB/m
Birefringence	≥ 2.0 × 10 ⁻⁴

PHYSICAL PROPERTIES	
Optical Cladding	Multi
Core diameter	10 ± 1 μm
Silica cladding diameter	125 ± 1 μm
Coating diameter	245 ± 10 μm
Cladding geometry	Round
Core/clad concentricity error	< 1 μm
Screen proof tested	100 kpsi
Confined core	No
Depressed cladding	No

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