



Yb-MCOF-40/250-07-3.0-PM

Yb-DOPED LARGE MODE AREA PM FIBER

SOLUTION OVERVIEW

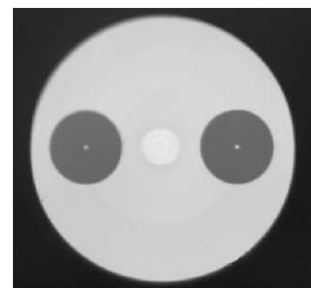
The Yb-MCOF-40/250-07-3.0PM fiber is designed for M^2 lower than 1.2, making it the perfect choice for applications requiring superior beam quality. Our fiber design features a confined core for selective gain amplification and multi-layer cladding for superior suppression of higher order modes.

FEATURES

- Designed for output M^2 lower than 1.2
- Large core diameter of 40 μm
- Low photodarkening
- High birefringence
- Confined core for selective gain amplification
- Increased differential bending losses

TYPICAL APPLICATIONS

- Material processing
- Frequency conversion
- Biophotonics
- Range finding
- Material processing



MAIN SPECIFICATIONS

OPTICAL PROPERTIES	
Core NA	0.07 ± 0.01
Cladding NA	>0.47
Pump guide absorption @915 nm	$3.0 \pm 0.5 \text{ dB/m}$
Nominal pump guide absorption @975 nm	12 dB/m
Birefringence	$>1.4 \times 10^{-4}$
Beam quality factor M^2	<1.2

PHYSICAL PROPERTIES	
Optical cladding	Multi
Core diameter	$40 \pm 3 \mu\text{m}$
Silica cladding diameter	$250 \pm 5 \mu\text{m}$
Coating diameter	$390 \pm 20 \mu\text{m}$
Cladding geometry	Circular
Screen proof tested	$\geq 100 \text{ kpsi}$
Recommended coiling diameter	$\geq 18 \text{ cm}$
Confined core	Yes
Depressed cladding	Yes

CONTACT US

1 866 657-7406 | info@ino.ca

ino.ca



© 2025 INO. All rights reserved

Québec (Head Office)
2740 Einstein Street
Québec (Québec) G1P 4S4
CANADA
418 657-7006

Hamilton
175 Longwood Rd. S., suite 305
Hamilton, ON L8P 0A1
CANADA
1 866 657-7406

