



# Yb-MCOF-35/250-56/400-07-2.2-T0.7-PM

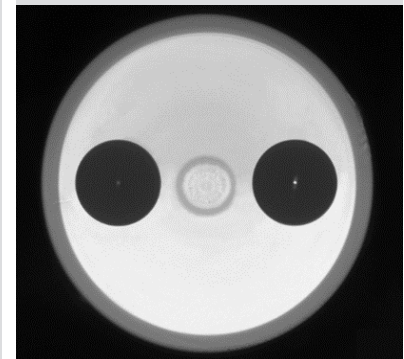
## YB-DOPED LARGE MODE AREA TAPERED PM OPTICAL FIBER

### SOLUTION OVERVIEW

The Yb-MCOF tapered 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 enhanced suppression of higher order modes.

### MAIN SPECIFICATIONS

OPTICAL PROPERTIES		PHYSICAL PROPERTIES		FEATURES	TYPICAL APPLICATIONS
Core NA	0.07 ± 0.01	Taper length	0.7 ± 0.2 m		
Cladding NA	> 0.47	Non-tapered sections length	> 1.0 m		
Pump guide absorption @ 915 nm	2.2 ± 0.5 dB/m	Small core diameter	35 ± 3 μm		
Nominal pump guide absorption @ 975 nm	8 dB/m	Small cladding diameter	250 ± 10 μm		
Birefringence	≥ 1.4 × 10 <sup>-4</sup>	Small coating diameter	500 ± 30 μm		
Beam quality factor $M^2$	< 1.2	Large core diameter	56 ± 5 μm		
		Large cladding diameter	400 ± 20 μm		
		Large coating diameter	520 ± 30 μm		
		Confined core	Yes		
		Depressed cladding	Yes		



### CONTACT US

1 866 657-7406 | info@ino.ca

ino.ca    

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

**Montréal**  
405 Ogilvy ave, Suite 101  
Montréal (Québec) H3N 1M3  
CANADA  
438 387-8957

**Hamilton**  
175 Longwood Road South, #316 A  
Hamilton (Ontario) L8P 0A1  
CANADA  
905 529-7016

