



Yb401-PM

Yb-DOPED SINGLE CLAD PM FIBER

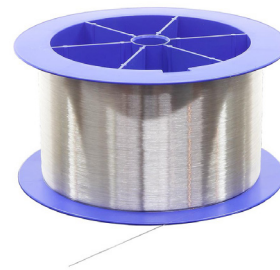
SOLUTION OVERVIEW

The Yb401-PM is a single-clad and truly single-mode polarization-maintaining fiber featuring a 6.0 μm MFD @ 1060 nm, a core absorption of 140 dB/m @ 915 nm and low photodarkening core chemistry.

This fiber is well adapted for low power pulsed amplifiers pumped using single-mode laser diodes. The Yb401-PM is a low-photodarkening drop-in equivalent of the Yb501-PM fiber.

TYPICAL APPLICATIONS

- Low power pulsed amplifiers



MAIN SPECIFICATIONS

OPTICAL PROPERTIES		PHYSICAL PROPERTIES	
Core NA	0.14 ± 0.02	Optical cladding	Single
Mode field diameter @ 1060 nm	6.0 ± 1.0	Core diameter	5.0 ± 0.5 μm
LP11 cut-off wavelength	800 - 900 nm	Cladding diameter	125 ± 1 μm
Core absorption @ 915 nm	140 ± 25 dB/m	Coating diameter	250 ± 10 μm
Nominal core absorption @ 975 nm	600 dB/m	Cladding geometry	Round
Birefringence	≥ 3.0 x 10 ⁻⁴	Low photodarkening chemistry	Yes
		Screen proof tested	≥ 100 kpsi
		Confined core	No
		Depressed cladding	No

CONTACT US

1 866 657-7406 | info@ino.ca

ino.ca



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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

