

## Yb-DCOF-15/125-08-2.7-PM Yb-DOPED PM FIBER

### SOLUTION OVERVIEW

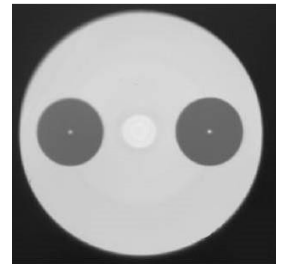
The Yb-DCOF-15/125-08-2.7-PM fiber is a PM, double-clad fiber, featuring a 15 µm core diameter and high absorption, with a low photodarkening core glass host ensuring long-term performances. Its near-diffraction-limited output design makes it the perfect choice for pulsed fiber lasers and amplifiers requiring superior beam quality.

### FEATURES

- Near-diffraction-limited output design
- High birefringence
- High absorption for short amplifier length, high energy per pulse
- Low photodarkening

### TYPICAL APPLICATIONS

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



### MAIN SPECIFICATIONS

OPTICAL PROPERTIES		PHYSICAL PROPERTIES	
Core NA	0.08 ± 0.01	Optical Cladding	Double
Cladding NA	> 0.47	Core diameter	15 ± 1 µm
Pump guide absorption @ 915 nm	2.7 ± 0.3 dB/m	Silica cladding diameter	125 ± 1 µm
Nominal pump guide absorption @ 975 nm	10 dB/m	Coating diameter	245 ± 5 µm
Birefringence	≥ 1.8 x 10 <sup>-4</sup>	Cladding geometry	Round
		Core/clad concentricity error	< 0.5 µm
		Screen proof tested	100 kpsi
		Confined core	No
		Depressed cladding	No

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