

Yb 401

Yb-Doped Single-Clad Fiber



Developed by our key partner INO, the YB 401 Yb-doped single-clad fiber features high QCE values, high efficiency and photodarkening resistance performances. It makes this product ideal for the design of fiber lasers and optical amplifiers in a broad range of applications.

Features & Benefits

- Low background losses
- Photodarkening resistance performances – ensure higher laser system reliability
- High quantum conversion efficiency – lowers pump power requirements, reducing overall system costs.

Applications

- Seed lasers
- Pulsed fiber lasers and amplifiers
- Medical
- Scientific/Research

Related Products

- YB 401-PM
Matched single-clad PM fiber

Specifications

Optical

Core Absorption @ 915 nm (dB/m)	140 ± 25
Cutoff Wavelength (nm)	850 ± 50
MFD @ 1060nm (μm)	6 ± 1
Numerical Aperture - Core	0.14

Geometrical & Mechanical

Cladding diameter (μm)	125 ± 1
Core/Cladding Concentricity Error (μm)	0.4 ± 0.4
Proof Test (kpsi)	>= 100
Single acrylate coating Diameter (μm)	250 ± 10

Environmental

Storage Temperature (°C)	-40 to +85
--------------------------	------------

Yb 401_R1

ISO 9001:2015 certified quality system - RoHS and REACH compliants.

sales@coractive.com - T. 418 845-2466

2026-06-26

coractive.com