

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
Core Absorption @ 975 nm (dB/m)	400
Mode Field Diameter @ 1060 nm (µm)	6 ± 1
Cutoff Wavelength (nm)	850 ± 50
Numerical Aperture – Core	0.14

Geometrical & Mechanical

Core Diameter – Nominal (µm)	5.0
Cladding Diameter (µm)	125 ± 1
Core/Cladding Concentricity Error (µm)	< 0.8
Coating Diameter (µm)	250 ± 10
Proof Test (kpsi)	≥ 100