YB 406

Yb-Doped Single-Clad Fiber

Developed by our key partner INO, the YB 406 Yb-doped single-clad fiber features high QCE values, high efficiency and photodarkening resistance performances. It is designed to suit diverse requirements and applications, such as fiber laser and amplifier design.

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

Specifications

Optical

Cladding Absorption @ 915 nm (dB/m)	600 ± 100
Cladding Absorption @ 975 nm (dB/m)	2400
Mode Field Diameter @ 1060 nm (µm)	5 ± 1
Cutoff Wavelenght (nm)	850 ± 50
Numerical Aperture – Core	0.16 ± 0.02

Geometrical & Mechanical

Core Diameter – Nominal (µm)	4.0
Cladding Diameter (µm)	125 ± 1
Core/Cladding Concentricity Error (µm)	< 0.8
Coating Diameter (µm)	250 ± 10
Proof Test (kpsi)	≥ 100

ISO 9001:2015 certified quality system | RoHS and REACH compliant.
All specifications are subject to change without notice. Reference: 100-30-0133.R1

2700 Jean-Perrin, suite 121, Quebec QC G2C 1S9 Canada | sales@coractive.com | + 1 418 845-2466