

# YB 118

## Yb-Doped Single-Clad Fiber



Developed by our key partner INO, the YB 118 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

Core Absorption @ 915 nm (dB/m)	75
Core Absorption @ 975 nm (dB/m)	200
Mode Field Diameter @ 1060 nm (μm)	4 ± 1
Cutoff Wavelength (nm)	850 ± 50
Numerical Aperture – Core	0.22

#### Geometrical & Mechanical

Core Diameter – Nominal (μm)	3.0
Cladding Diameter (μm)	125 ± 1
Core/Cladding Concentricity Error (μm)	< 0.8
Coating Diameter (μm)	250 ± 10
Proof Test (kpsi)	≥ 100

Kokyo

株式会社光響

Email : [info@symphotony.com](mailto:info@symphotony.com)

Web : <https://www.symphotony.com/>

ISO 9001:2015 certified quality system | RoHS and REACH compliant.  
All specifications are subject to change without notice.

Reference: 100-30-0098.R1  
2021-05-14

[sales@coractive.com](mailto:sales@coractive.com) | +1 418 845-2466

[coractive.com](https://www.coractive.com)