

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

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|------------------------------------|----------|
| 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

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| 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

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

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