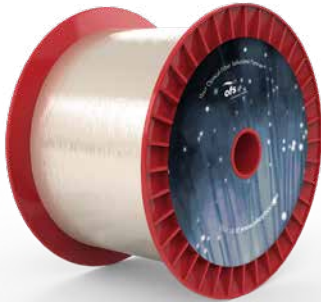




A Furukawa Company

TrueLase™ Yb 20/400-976-3kW Optical Fiber

P/N: 88016



Features and Benefits

- Tested to more than 3kW in a forward pumped fiber laser
- Stable operation for hundreds of hours
- Enables easy & efficient integration for monolithic fiber lasers and amplifiers
- Excellent fiber consistency and uniformity using OFS proprietary RE vapor phase delivery process
- TrueClad™ low index coating for extensive durability in sensitive environment and operating conditions

Overview

Development of the new OFS TrueLase Optical Fiber family was driven by an increasing demand for a reliable fiber supply in the rapidly growing fiber laser market space. Fiber lasers had their start in the erbium doped amplification work done in the early 1990's. OFS, a global market leader in the design and manufacture of Erbium-Doped Optical Fibers, possesses the expertise and experience in fiber fabrication technology necessary to meet that demand. OFS has been developing and manufacturing high power components and modules for many years and understands the reliability standards expected in the diverse material processing applications.

OFS TrueLase Yb 20/400-976-3kW Double Clad Optical Fiber is an ideal tool for integrated high power fiber lasers and amplifiers. Tested to more than 3kW in a forward pumped fiber laser and stable operation for hundreds of hours. OFS's high-volume manufacturing processes ensure lot to lot consistency and lower-cost fiber to the customer. All TrueLase optical fibers utilize the latest TrueClad low index polymer coating specially engineered to ensure superior reliability and performance in the most demanding of environments.



A Furukawa Company

TrueLase™ Yb 20/400-976-3kW Optical Fiber

P/N: 88016

Product Specifications

Product Description **Yb20-400-976-3kW**

Operating Wavelength 1060 - 1115 nm

Core NA 0.060 ± 0.005

First Cladding NA ≥ 0.46

Cladding Absorption @ 976 nm 1.5 ± 0.25 dB/m

Cladding Diameter 400 ± 15 μm

Coating Diameter 550 ± 20 μm

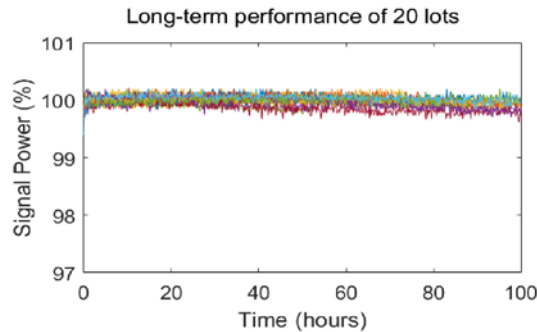
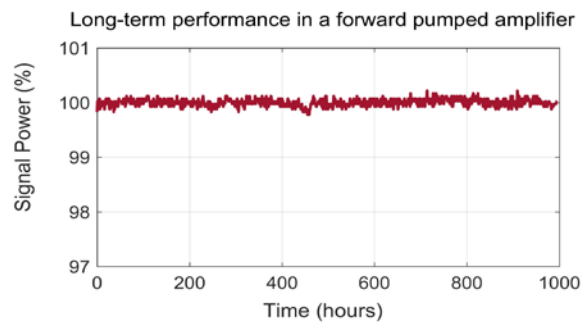
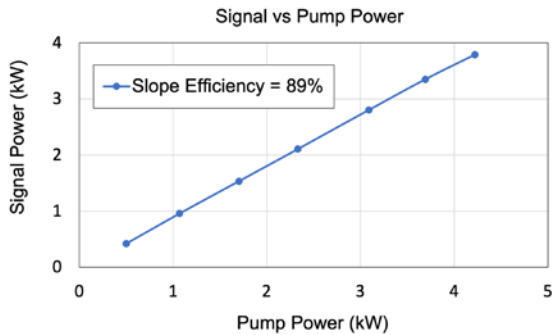
Core/Clad Offset ≤ 1.0 μm

Cladding Shape Octagonal

Mechanical and Environmental

Proof Test Level ≥100 kpsi

TrueLase Yb 20/400-976-3kW High Power Performance



For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



Copyright © 2022 OFS Fitel, LLC.
All rights reserved, printed in USA.

OFS Marketing Communications
Date: 12/22

For a full list of our certifications, visit our website.



TrueLase is a trademark of OFS Fitel, LLC.
OFS reserves the right to make changes to the prices and product(s) described in this document at any time without notice. This document is for informational purposes only and is not intended to modify or supplement any OFS warranties or specifications relating to any of its products or services.