

TrueLase™ Yb 20/400-976-3kW-065 Optical Fiber

P/N: 91997



Features and Benefits

- Tested to 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 Lightera proprietary RE vapor phase delivery process
- TrueClad™ low index coating for extensive durability in sensitive environment and operating conditions

Overview

Development of the new Lightera 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. Lightera, 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. Lightera 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.

Lightera TrueLase Yb 20/400-976-3kW-065 Double Clad Optical Fiber is an ideal tool for integrated high power fiber lasers and amplifiers. Tested to 3kW in a forward pumped fiber laser and stable operation for hundreds of hours. Lightera'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.

Product Specifications

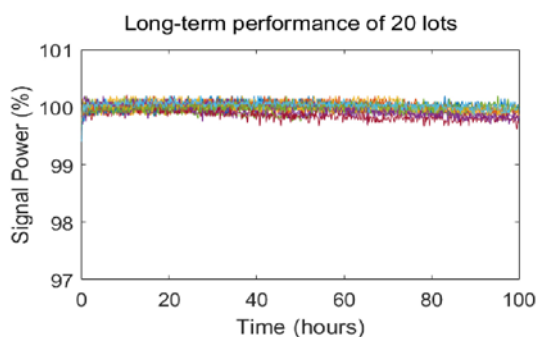
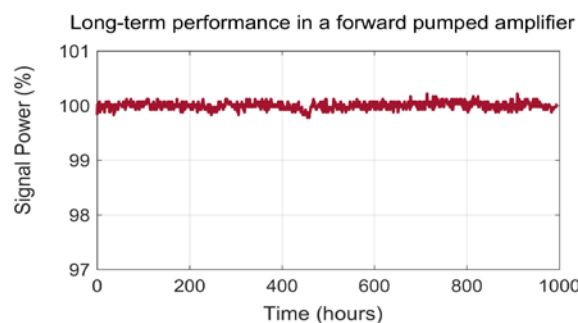
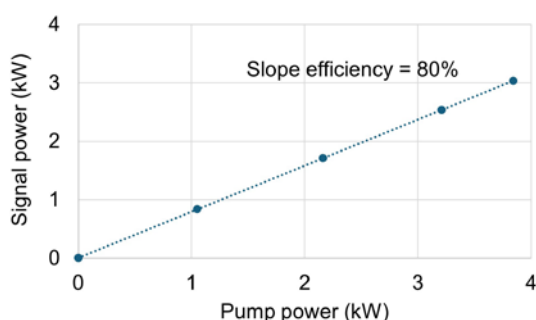
Product Description Yb20-400-976-3kW-065

Operating Wavelength	1060 - 1115 nm
Core NA	0.059 ± 0.064
First Cladding NA	≥ 0.46
Cladding Absorption @ 976 nm	1.7 ± 0.25 dB/m
Cladding Diameter	400 ± 15 μ m
Coating Diameter	550 ± 20 μ m
Core/Clad Offset	≤ 1.0 μ m
Cladding Shape	Octagonal

Mechanical and Environmental

Proof Test Level	≥ 100 kpsi
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TrueLase Yb 20/400-976-3kW-065 High Power Performance



For additional information please contact your sales representative.

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