sales@wdmquest.com
www.wdmquest.com

1407 Doped Fiber

DF1003

Yb300-6/125

Yb300-6/125 fibers are highly doped single mode single clad fibers for low power fiber laser and amplifier applications. Combining high core pump absorption, extremly high photodarkening resistivity and excellent, single-mode beam quality makes these fibers ideal forrealizing, e.g.; low average power femtosecond fiber lasers or preamplifiers in a fiber amplifier chain.

FEATURES

- Direct Nanoparticle Deposition
- Excellent Single Mode Beam Quality for 1 µm Applications
- Extremely High Photodarkening Resistivity
- Good Spliceability to Standard Single Mode Fibers

USE IN

- Low Average Power Ultrafast Fiber Lasers
- IR Sources for Frequency Doubling
- Core Pumped Preamplifier for Fiber Amplifier Chain

Mode Field Diameter at 1060 nm	7.0±0.5 µm
Peak Core Absorption @ 976 nm (Nominal)	300 dB/m
Peak Core Absorption @ 920 nm	75±10 dB/m
Core Numerical Aperture (RealNA)	0.12
Cut-off Wavelength	860±70 nm
Core Background Loss at 1200 nm	25 dB/km max.
Birefringence, PM	2.0 1E-04 min.
Core Diameter (Nominal)	5.5 µm
Core Concentricity Error	1.0 µm max.
Cladding Diameter	125.0±2.0 µm
Cladding Geometry	Round, Panda for PM
Coating Diameter	245.0±15.0
Coating Material	Dual Coated High Index Acrylate
Proof Test	100 kpsi min.