



Nufern SM-YSFOHI-HP

For applications where high efficiency and very short device lengths are critical, these single-mode fibers are compatible with standard "telecom" fiber technology ensuring low splice loss to numerous fiber pigtailed components. These fibers make the ideal gain medium for low average power femtosecond fiber lasers and pre-amplifiers for higher power double-clad amplifiers.

FEATURES

- Single-mode Output
- Panda-style Stress Structure
- High Ytterbium Concentration
- High Slope Efficiency (75% typ.)
- Higher Proofstest Yields

USE IN

- Low Power CW and Pulsed Fiber Lasers
- Femtosecond Fiber Lasers
- Pre-amps for High-power, Double-clad Devices

Operating Wavelength	1015 nm to 1115 nm
Core NA	0.110
Mode Field Diameter	7.5±0.7 μm @ 1060 nm
Cutoff	860±50 nm
Core Attenuation	10.0 dB/km max. @ 1200 nm
Core Absorption	85.0±10.0 dB/m @ 915 nm; 250.0 dB/m @ 975 nm
Operating Temperature	-55°C to +85°C
Cladding Diameter	125.0±1.0 μm
Core Diameter	6 μm
Coating Diameter	245.0±10.0 μm
Coating Concentricity	5.0 μm max.
Core/Clad Offset	0.50 μm max.
Coating Material	Acrylate
Proofstest Level	200 kpsi min. (1.4 GN/m ²)

Order notes to our customers: The default parameters are as follows. For special needs, please contact sales.

1) Connector FC/APC, 900 μm, 1 m by default for all devices except for high power devices.

2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.