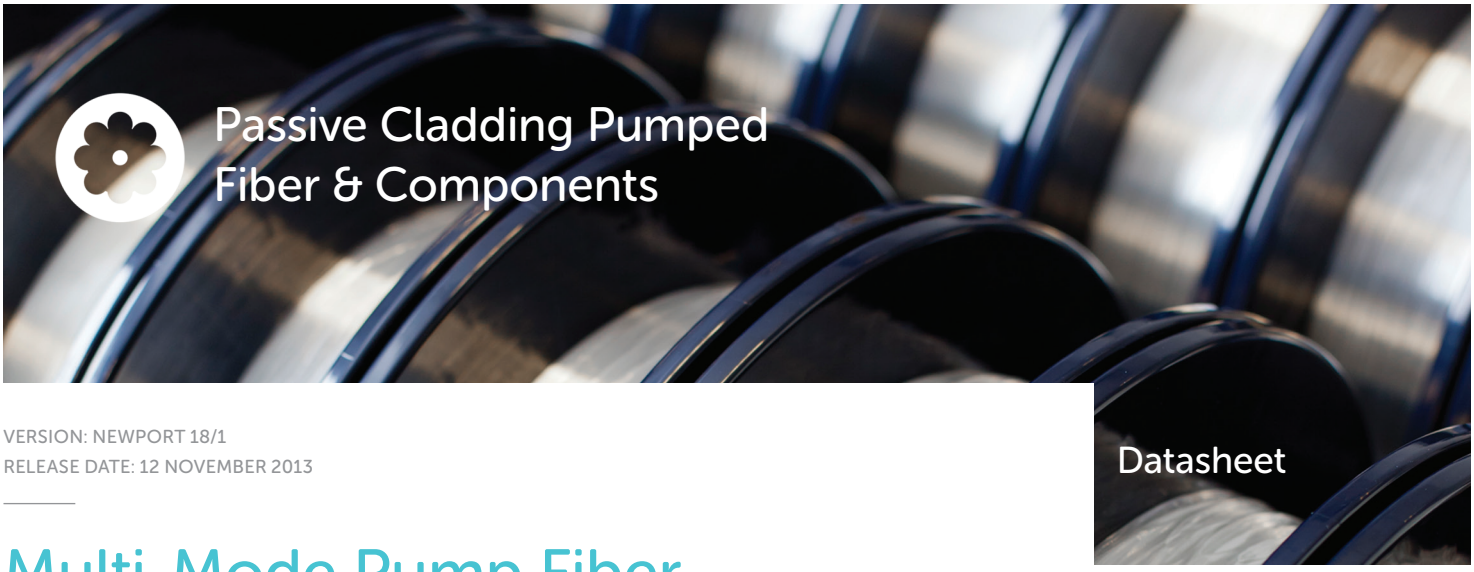


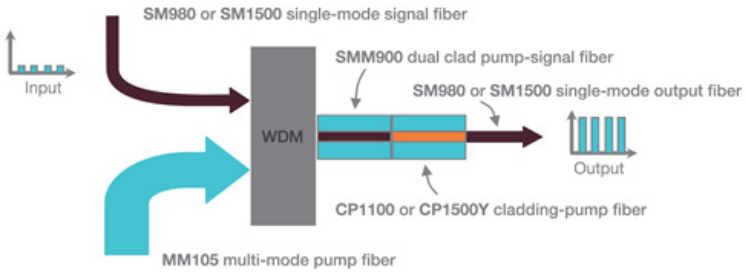
VERSION: NEWPORT 18/1
RELEASE DATE: 12 NOVEMBER 2013

Multi-Mode Pump Fiber

Fibercore's Multi-Mode Pump Fiber (MM105) is a pure silica core/fluorinated silica-clad Multi-Mode (MM) fiber with a 105µm core and a 125µm cladding. The relatively large core diameter makes this fiber ideal for pigtailing high power, 940nm multi-mode diode lasers used to pump Passive Optical Network (PON)/FTTx amplifiers. This core diameter makes the fiber fully compatible with Fibercore's range of Cladding-Pump fiber products, minimizing optical connection losses and maximizing optical conversion efficiency.

Fibers within the Fibercore cladding pump range include:
- Dual-Clad Erbium/Ytterbium Doped Fiber (CP1500Y): All-silica Er-Yb Co-doped fiber for high power PON/FTTx amplifiers
- Dual-Clad Ytterbium Doped Fiber (CP1100): All-silica Yb doped fiber for high reliability fiber lasers
- Passive Dual-Clad Fiber (SMM900): Cladding-Pump component fiber for Isolating Wavelength Division Multiplexer (CP-IWDM) fabrication

These fibers can be seen working together in the diagram below, of a typical high power amplifier.



Advantages:

- All-silica design
- No recoating required
- Stable in humid environments

Related Products:

- Dual-Clad Erbium/Ytterbium Doped Fiber (CP1500Y)
- Passive Dual-Clad Fiber (SMM900)
- Isolating Wavelength Division Multiplexer (CP-IWDM)

Typical applications:

- Telecoms
- Erbium Doped Fiber Amplifier (EDFA)
- Cable Television (CATV)
- Fiber Laser
- Biomedical Illumination

Product Variant:

- **MM105** Multi-Mode pump fiber with 105μm core diameter

Specifications

	MM105
Core Diameter (µm)	100 - 104
Numerical Aperture	0.24 – 0.28
Proof Test (%)	1 (100 kpsi)
Attenuation (dB/km)	≤5.0
Cladding Diameter (µm)	125 ± 1
Coating Diameter (µm)	245 ± 15

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