

1407 Doped Fiber

DF1005



I-12(980/125)

Erbium Doped Fibers (EDFs) offer a wide selection of absorption and cut-off wavelengths to allow the best choice of fiber for each type of Erbium Doped Fiber Amplifier(EDFA) design. Low absorption fibers offer best-in-class efficiency for C-band amplifiers whilst higher absorption fibers are optimized for L-band EDFAs. The core composition of Fibercore’s IsoGain™ has been engineered to generate a substantially flattened wavelength response that closely matches that of other leading fiber types.

FEATURES

- Optimized Core Composition for High-channel-count DWDM Systems’ EDFAs
- World-class Leading Conversion Efficiency
- Suitable for C and L-band Amplifiers

USE IN

- EDFAs / Telecoms
- ASE Light Sources
- Fiber Lasers
- Current Sensors
- Biomedical Illumination
- Optical Coherence Tomography
- Gyros
- Distributed Sensor Systems

Cut-Off Wavelength	900 nm to 970 nm
Numerical Aperture	0.21 to 0.23
Absorption	14 dB/m to 21 dB/m@1531 nm
Numerical Aperture	0.21 to 0.23
Mode Field Diameter	5.7 μm to 6.6 μm@1550 nm
Attenuation	10 dB/km max.
Core Concentricity	0.3 μm max.
Cladding Diameter	125.0±1.0 μm
Coating Diameter	245.0±15.0 μm
Coating Material	Dual Layer Acrylate
Proof Test	100 kpsi or 200 kpsi min.
Operating Temperature	-55°C to +85°C
PMD	0.005 ps/m max.