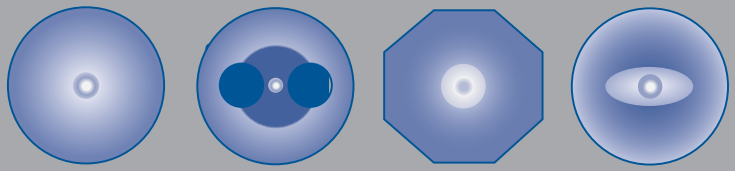
Wavelength 1.5 µm iXFiber

Er Doped
Fibers



Standard erbium doped fibers

Fiber Type	Fiber Name	Absorption @1480 nm (dB/m)	Absorption @ 1530 nm (dB/m)	MFD @1550 nm (µm)	Background losses (dB/km)	Cutoff wavelength (nm)	Splice loss (dB)	PMD factor (fs/dB)
C band	IXF-EDF-FGC-980	2 - 3	4.5 - 6.5	6.5 +/- 1	< 8	< 970	< 0.15 (to HI980)	< 0.25
C band	IXF-EDF-FGC-1480	2.5 - 4.5	6 - 10	5.5 +/- 1	< 8	1150 +/- 100	< 0.15 (to HI1060)	< 0.25
L band	IXF-EDF-FGL	9 - 16	20 - 35	5 +/- 1	< 10	< 1300	< 0.15 (SMF28)	< 0.25
ASE source	IXF-EDF-SHD	4 - 6	12 - 16	5.5 +/- 1	< 15	< 1150	< 0.15 (SMF28)	< 0.3
PM Panda C.band	IXF-EDF-FGC-PM	2 - 5	5 - 9	6.5 +/- 1	< 20	< 1250	< 0.2	-
PM Panda L.band	IXF-EDF-FGL-PM	7 - 14	15 - 30	5 +/- 1	< 20	< 1300	< 0.2	-

Radiation resistant erbium doped fibers

Fiber Type	Fiber Name	Absorption @ 980 nm (dB/m)	Absorption @ 1530 nm (dB/m)	MFD @1550 nm (µm)	Background losses (dB/km)	Cutoff wavelength (nm)	Splice loss (dB)	Radiation Induced Attenuation (RIA)
Medium doping	IXF-RAD-AMP-1	7 - 9	12 - 16	5.5 +/- 1	< 15	< 1150	< 0.2 (SMF28)	< 0.07dB/krad
High doping	IXF-RAD-AMP-2	12 - 15	22 - 28	5.5 +/- 1	< 20	< 1150	< 0.2 (SMF28)	< 0.05dB/krad

KEY FEATURES

- Low noise figure & flat gain shape
- High efficiency
- Low splice loss
- Highly consistent spectroscopy
- Birefringence: > 2.10^{-4} / Panda type
- Cladding diameter (µm) : 125+/-2
- Coating diameter (µm) : 245+/-15
- 80 microns cladding diameter available
- Proof test level (kpsi) : 100

RELATED PRODUCTS

- Double clad Er/Yb fiber
- PM double clad fiber
- Gain flattening filters
- Other diameters or custom design on request
- Space grade version