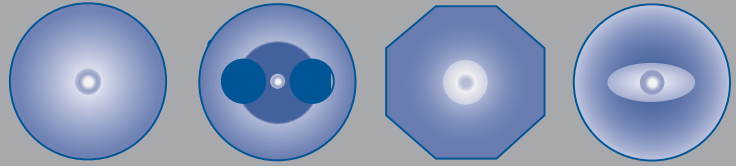




Tm Doped Fibers



Single clad fiber

Name & Reference	Core diameter (μm)	Core Absorption around 793 nm (dB/m)*	Core absorption at 1180 nm (dB/m)	Core NA (+/- 0.02)	Cladding diameter (μm)	Coating diameter (μm)
IXF-TDF-4-125	4 +/- 1	> 150	> 35	0.27	125 +/- 2	245 +/- 15

Double clad fiber

Name & Reference	Core diameter (μm)	Clad absorption around 793 nm (dB/m)*	Clad absorption at 1180 nm (dB/m)	Core NA (+/- 0.02)	Cladding diameter (μm)	Coating diameter (μm)
IXF-2CF-Tm-O-6-130	6 +/- 0.5	> 3	> 0.6	0.21	125 +/- 3	245 +/- 15
IXF-2CF-Tm-O-12-130	12 +/- 1	> 5	> 1	0.14	125 +/- 3	245 +/- 15
IXF-2CF-Tm-O-25-250	25 +/- 2	> 5	> 1	0.21	250 +/- 5	340 +/- 20
IXF-2CF-Tm-O-25-400	25 +/- 2	> 2	> 0.4	0.10	400 +/- 10	550 +/- 20
IXF-2CF-Tm-PM-6-130	6 +/- 0.5	> 3	> 0.6	0.21	125 +/- 3	245 +/- 15

* calculated value

KEY FEATURES

- CW and pulsed fiber lasers around 2 microns
- High pump and consistent absorption
- High brightness single mode core
- Large mode area with low NA
- High efficiency (> 50%)
- Compatible with 793 nm pump
- Multimode background (dB/km): < 50
- Cladding NA for double clad fiber: 0.46
- Cladding shape: octagonal (non PM) / round for PM fiber
- Birefringence for PM: > 2.10⁻⁴ / Panda type

RELATED PRODUCTS

- Double clad Er/Yb fiber
- Associated passive PM and non PM fibers
- Associated fiber Bragg mirrors pairs
- Subassembly on request
- Matching passive fiber