

## PRODUCT SPECIFICATION

Product code:

IXF-SM-1550-125-0.14-HT

	Parameter	Specification	Units
1	Core NA	0.14+/-0.01	
2	Mode Field Diameter @ 1550nm	8.5 +/- 0.5	μm
3	Mode Field Diameter @ 1310nm	7.5 +/- 0.5	μm
4	Attenuation @ 1550 nm	< 0.4	dB/km
5	Attenuation @ 1310 nm	< 0.6	dB/km
6	Cutoff wavelength	< 1275	nm
7	Core/clad offset	< 1	μm
8	Cladding diameter	125 +/- 1	μm
9	Coating diameter	245 +/- 15	μm

	Design Parameter	Specification	Units
10	Coating material	Acrylate	
11	Operating temperature range	-60 / +200	°C
12	Proof test level	100	kpsi

### Comments

Fiber designed for sensor application at high temperature.

Typical RIA @ 1550 nm for 1 MGy ( $\gamma$  ray) ~ 100 dB/km

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