

**Industrial confidentiality**

## PRODUCT SPECIFICATION

Product code:                      IXF-SM-1550-125-014-PI

	Parameter	Specification	Units
1	Core NA	0.14 ± 0.01	
2	Mode Field Diameter @ 1550nm	8.5 ± 0.5	
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	155 +/- 5	µm

	Design Parameter	Specification	Units
10	Coating Material	Polyimide	
11	Operating temperature range	-60 / +300	°C
12	Proof test level	100	kpsi
13	Short term bend radius	> 10	mm
14	Long term bend radius	> 20	mm

Comments  
 Fiber designed for sensor application at high temperature and harsh environment.  
 Typical RIA @ 1550 nm for 20 kGy (γ ray) ~ 25 dB/km

Effective date of this document: 10/12/2019  
 Edition: D

Document reference: IXF-SM-1550-125-014-PI\_edD.pdf

*Specifications are subject to change without notice*

PSD-L-Q-E-086-I

