



Industrial confidentiality

PRODUCT SPECIFICATION

Product code:

IXF-RAD-SM-1550-014-AL

	Parameter	Specification	Units
1	Core NA	0.14 ± 0.01	
2	Attenuation @ 1550 nm	< 20	dB/km
3	Cutoff Wavelength	< 1450	nm
4	MFD @ 1550 nm	9 ± 1	μm
5	Core/clad offset	< 1	μm
6	Outside Cladding diameter	125 ± 2	μm
7	Coating diameter	165 ± 15	μm
8	Radiation Induced Attenuation @ 1550nm for 1 MGy (γ ray)	<30	dB/km

	Design Parameter	Specification	Units
8	Core Material	Pure silica	
9	High Temperature Aluminum Coating	Up to 400	$^{\circ}\text{C}$
10	Proof test level	100	kpsi

Product description :

Fiber designed for sensor applications.

Pure silica core radiation resistant fiber

Aluminum coated for High temperature

Typical RIA @ 1550 nm for 1 MGy (γ ray) ~ 25 dB/km

Written by: T.ROBIN

Effective date of this document: 13/06/2019

Edition: C

Document reference: IXF-RAD-SM-1550-014-AL_edC.pdf

