



Industrial confidentiality

## PRODUCT SPECIFICATION

Product code:

IXF-RAD-SM-1550-014-AL

	Parameter	Specification	Units
1	Core NA	$0.14 \pm 0.01$	
2	Attenuation @ 1550 nm	< 20	dB/km
3	Cutoff Wavelength	< 1450	nm
4	MFD @ 1550 nm	$9 \pm 1$	$\mu\text{m}$
5	Core/clad offset	< 1	$\mu\text{m}$
6	Outside Cladding diameter	$125 \pm 2$	$\mu\text{m}$
7	Coating diameter	$165 \pm 15$	$\mu\text{m}$
8	Radiation Induced Attenuation @ 1550nm for 1 MGy ( $\gamma$ 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 ( $\gamma$  ray) ~ 25 dB/km

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