



Industrial confidentiality

## PRODUCT SPECIFICATION

Product code:

IXF-RAD-SM-1550-014-PI

	Parameter	Specification	Units
1	Core NA	$0.14 \pm 0.01$	
2	Attenuation @ 1550 nm	< 0.6	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	$155 \pm 5$	$\mu\text{m}$
8	Radiation Induced Attenuation @ 1550nm for 1 MGy ( $\gamma$ ray)	<30	dB/km

	Design Parameter	Specification	Units
9	Core Material	Pure silica	
10	Coating Material	Polyimide	
11	Operating temperature range	-60 / +300	$^{\circ}\text{C}$
12	Proof test level	100	kpsi

Product description :

Fiber designed for sensor applications.

Pure silica core radiation resistant fiber

Polyimide coated for High temperature resistance and Harsh environment

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

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