

PRODUCT SPECIFICATION

Product code:

IXF-RAD-SM-1550-014-HT

	Parameter	Specification	Units
1	Core NA	0.14 ± 0.01	
2	Attenuation @ 1550 nm	< 0.6	dB/km
3	Cutoff Wavelength	< 1350	nm
4	MFD @ 1550 nm	9 ± 1	μm
5	Core/clad offset	< 1	μm
6	Outside Cladding diameter	125 ± 2	μm
7	Coating diameter	245 ± 15	μm
8	Radiation Induced Attenuation @ 1550nm for 1 MGy (γ ray)	<30	dB/km

	Design Parameter	Specification	Units
9	Core Material	Pure silica	
10	Coating Material	Acrylate	
11	Operating temperature range	-60 / +200	$^{\circ}\text{C}$
12	Proof test level	100	kpsi

Product description :

Fiber designed for sensor applications.

Pure silica core radiation resistant fiber

High temperature acrylate coated for High temperature resistance

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

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