

Industrial confidentiality

PRODUCT SPECIFICATION

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

	Parameter	Specification	Units
1	Core NA	0.14 ± 0.01	
2	Attenuation @ 1550 nm	< 0.6	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	155 ± 5	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	Polyimide	
11	Operating temperature range	-60 / +300	°C
12	Short term bend radius ⁽¹⁾	15	mm
13	Long term bend radius ⁽¹⁾	30	mm
14	Proof test level	100	kpsi

⁽¹⁾Long term: 20-40 year lifetime / Short term: <1sec (assembly)

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 (γ ray) ~ 25 dB/km

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Specifications are subject to change without notice

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