

Industrial confidentiality

PRODUCT SPECIFICATION

Product code: IXF-RAD-SENSE-SM-1550

	Parameter	Specification	Units
1	Core NA	0.17 ± 0.01	
2	Attenuation @ 1625 nm	< 2.0	dB/km
3	Attenuation @ 1550 nm	< 1.75	dB/km
4	Attenuation @ 1310 nm	< 1.5	dB/km
5	Cutoff Wavelength	< 1250	nm
6	MFD @ 1550 nm	8 ± 1	μm
7	Core/clad offset	< 1	μm
8	Outside Cladding diameter	125 ± 1	μm
9	Coating diameter	245 ± 15	μm

	Design Parameter	Specification	Units
10	Coating Material	Acrylate	
11	Operating temperature range	-60 / +85	°C
12	Proof test level	100	kpsi

Product description :

Fiber designed for radiation sensing

Sensitivity coefficient @1550nm^{**}: $4\text{dB.km}^{-1}.\text{Gy}(\text{SiO}_2)^{-1}$

Upon request:

- Other coating can be applied.
- Reduced cladding diameter version (80 μm)

*Calibrated using Co⁶⁰ sources

** measured at room temperature

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Specifications are subject to change without notice

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