

Industrial confidentiality

PRODUCT SPECIFICATION

Product code: **IXF-SRAD-SM-800-014-PI**

	Parameter	Specification	Units
1	Core NA	0.14 ± 0.01	
2	Attenuation @ 800 nm	< 20	dB/km
3	Cutoff Wavelength	< 780	nm
4	MFD @ 800 nm	5 ± 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 @ 800nm	<50	dB/km

	Design Parameter	Specification	Units
9	Coating Material	Polyimide	
10	Operating temperature range	-60 / +300	°C
11	Short term bend radius ⁽¹⁾	15	mm
12	Long term bend radius ⁽¹⁾	30	mm
13	Proof test level	100	kpsi

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

Product description :

Fiber designed for severe radiative environment.
 Core and clad are inherently radiation resistant thanks to iXblue's deposition technology
 Polyimide coated for High temperature resistance and harsh environment tested up to 3MGy
 RIA measurement: R_x , 1MGy, 5Gy/(SiO₂)/s, RT, 30 dB/km @ 845 nm (P_{in} , 100µW)

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Specifications are subject to change without notice

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