

Industrial confidentiality

## PRODUCT SPECIFICATION

Product code: IXF-SM-1550-125-012-PI

	Parameter	Specification	Units
1	Core NA	$0.12 \pm 0.01$	
2	Mode Field Diameter @ 1550nm	$10.4 \pm 0.5$	
3	Mode Field Diameter @ 1310nm	$9.0 \pm 0.5$	$\mu\text{m}$
4	Attenuation @ 1550 nm	$< 0.5$	dB/km
5	Attenuation @ 1310 nm	$< 0.8$	dB/km
6	Cutoff wavelength	$< 1350$	nm
7	Core/clad offset	$< 0.75$	$\mu\text{m}$
8	Cladding diameter	$125 \pm 1$	$\mu\text{m}$
9	Coating diameter	$155 \pm 5$	$\mu\text{m}$

	Design Parameter	Specification	Units
10	Coating Material	Polyimide	
11	Operating temperature range	$-60 / +300$	$^{\circ}\text{C}$
12	Proof test level	100	kpsi
13	Short term bend radius	$> 10$	mm
14	Long term bend radius	$> 20$	mm

### Comments

Fiber designed for sensor application at high temperature and harsh environment.  
Typical RIA @ 1550 nm for 20 kGy ( $\gamma$  ray) ~ 25 dB/km

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*Specifications are subject to change without notice*

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