

PRODUCT SPECIFICATION

Product code:

IXF-SM-1550-125-0.14-PI

| | Parameter | Specification | Units |
|---|------------------------------|---------------|---------------|
| 1 | Core NA | 0.14+/-0.01 | |
| 2 | Mode Field Diameter @ 1550nm | 8.5 +/- 0.5 | μm |
| 3 | Mode Field Diameter @ 1310nm | 7.5 +/- 0.5 | μm |
| 4 | Attenuation @ 1550 nm | < 0.4 | dB/km |
| 5 | Attenuation @ 1310 nm | < 0.6 | dB/km |
| 6 | Cutoff wavelength | < 1275 | nm |
| 7 | Core/clad offset | < 1 | μm |
| 8 | Cladding diameter | 125 +/- 1 | μm |
| 9 | Coating diameter | 155 +/- 5 | μm |

| | 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 |
| 16 | Long term bend radius | > 20 | mm |

Comments

Fiber designed for sensor application at high temperature and Harsh environment.
Typical RIA @ 1550 nm for 1 MGy (γ ray) ~ 100 dB/km

Written by: T.ROBIN

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