

Industrial confidentiality

PRODUCT SPECIFICATION

Product code: IXF-RAD-MMSI-105-125-0.22-HT

| | Parameter | Specification | Units |
|----|-----------------------|---------------|-------|
| 1 | Core NA | 0.22 +/- 0.01 | |
| 2 | Core diameter | 105 +/- 2 | µm |
| 3 | Cladding diameter | 125 +/- 2 | µm |
| 4 | Attenuation @ 500 nm | < 22 | dB/km |
| 5 | Attenuation @ 550 nm | < 18 | dB/km |
| 6 | Attenuation @ 630 nm | < 50 | dB/km |
| 7 | Attenuation @ 720 nm | < 8 | dB/km |
| 8 | Attenuation @ 800 nm | < 7 | dB/km |
| 9 | Attenuation @ 940 nm | < 50 | dB/km |
| 10 | Attenuation @ 1000 nm | < 5 | dB/km |
| 11 | Attenuation @ 1100 nm | < 5 | dB/km |
| 12 | OH content [OH] | 2<[OH]<30 | ppm |
| 13 | Core/clad offset | < 2 | µm |
| 14 | Coating diameter | 245 +/- 15 | µm |

| | Design Parameter | Specification | Units |
|----|-----------------------------|-----------------------|-------|
| 15 | Coating material | Dual layer - Acrylate | |
| 16 | Operating temperature range | -60 / +85 | °C |
| 17 | Wavelength range | 500-1000 | Nm |
| 18 | Proof test level | 100 | Kpsi |

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| <p>Comments</p> <p>Step index multimode fiber</p> <p>Pure silica core (mid OH) with fluorinated silica layer radiation resistant fiber</p> <p>Typical RIA over 500-1100nm for 0.1 MGy (γ ray) ~ 1 dB/m</p> <p>High temperature acrylate coated for High temperature resistance</p> |
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