



FUD-3563, Revision: A PM095-1550 LNA Optical Fiber

You have selected an application designed fiber, not fully released which may have a longer lead time than our standard products.

| Parameter | Min | Nom | Max | Unit | Compliance |
|-------------------------------------|---|-------|------|-------|------------|
| Operating Wavelength | 980 | | 1100 | nm | Design |
| Core NA | | 0.095 | | | Design |
| Cutoff | 1400 | | 1500 | nm | Measured |
| Gaussian MFD at 1550 nm | 13.5 | | 14.7 | μm | Measured |
| Customer comment: | Mode Field Diameter at 1060 nm to be the 1/e ² fit of the far field profile (Gaussian), measured on the PK2500 using the variable aperture method. | | | | |
| Beat Length at 1550 nm | 1 | | 5 | mm | Measured |
| Crosstalk at 1550 nm per 100 meters | -100 | | -30 | dB | Measured |
| Crosstalk at 1550 nm per 5 meters | -100 | | -40 | dB | Measured |
| Core Diameter | | 12 | | μm | Design |
| Clad Diameter | 124 | | 126 | μm | Measured |
| Core/Clad Offset | 0 | | 2 | μm | Measured |
| Coating Diameter | 230 | | 260 | μm | Measured |
| Coating-Clad Concentricity | 0 | | 5 | μm | Measured |
| Proof test Level | 100 | | 150 | kpsi | Measured |
| Operating Temperature Range | -40 | | 85 | °C | Design |
| Bend Loss at 10 cm diameter | 0 | | 0.01 | dB/m | Measured |
| Customer comment: | Attenuation measured at 1550 nm on a 10 cm diameter spool with 20 turns to be less than 0.01 dB/m, and will be measured once per lot of fiber. | | | | |
| Bend Loss at 20 cm diameter | 0 | | 5 | dB/km | Measured |
| Customer comment: | Attenuation measured at 1550 nm on a 20 cm diameter spool with 100 turns to be less than 5 dB/km, and will be measured once per lot of fiber. | | | | |
| Comments | Coating Requirements: UV Cured, Dual Acrylate Coating | | | | |



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Nufern products are manufactured under an ISO 9001:2008 certified quality management system.



Custom developed fiber (FUD) specifications are subject to change without notice. Other configurations such as alternative form factors, optimized cut-off and UV cured color coating may be available. Let us know how Nufern can assist with your requirements.