

SCF-UN-3/125-25-PM

Non-Linear Fiber



This PM single-clad passive fiber features a small effective area that allows the generation of nonlinear effects. It is specifically designed for manufacturing passive components used in applications in which nonlinear effects are desired.

Features & Benefits

- Small effective area - highly nonlinear passive fiber
- Low background losses
- Excellent geometrical properties

Applications

- Manufacturing passive components
- Raman amplifiers
- Telecommunications
- Scientific

Related Products

- [SCF-UN-3/125-25](#)
Non-PM version

Specifications

Optical

Numerical Aperture - Core	0.25 ± 0.02
Mode Field Diameter @ 1550 nm - Nominal (µm)	4.0
Birefringence	> 2.2 X 10E-04
Background Loss @ 1550 nm (dB/km)	< 10.0

Geometrical & Mechanical

Core Diameter (µm)	3.0 ± 0.5
Cladding Diameter (µm)	125 ± 2
Core/Cladding Concentricity Error (µm)	< 1.5
Coating Diameter (µm)	245 ± 10
Proof Test (kpsi)	≥ 100

Environmental

Operating Non-Condensing Humidity (%)	5 - 85
Operating Temperature (C°)	0 - 70
Storage Non-Condensing Humidity (%)	5 - 85
Storage Temperature (C°)	-40 - 85