

SCF-UN-3/125-25-PM

Non-Linear PM 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

Specifications

Optical

Background Loss @1550 nm (dB/km)	≤ 10
Birefringence ($\times 10E-04$)	≥ 2.2
MFD @ 1550nm (μm)	Typ. 4.0
Numerical Aperture - Core	0.25 ± 0.02

Applications

- Manufacturing passive components
- Raman amplifiers
- Telecommunications
- Scientific

Geometrical & Mechanical

Cladding diameter (μm)	125 ± 2
Cladding geometry	Circ.
Coating Diameter (μm)	245 ± 10
Core Diameter (μm)	3 ± 0.5
Core/Cladding Concentricity Error (μm)	≤ 1.5
Proof Test (kpsi)	≤ 100

Related Products

- SCF-UN-3/125-25
Non-PM version

Environmental

Storage Temperature ($^{\circ}\text{C}$)	-40 to $+85$
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SCF-UN-3/125-25-PM_R3

ISO 9001:2015 certified quality system - RoHS and REACH compliants.

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