

DCF-UN-6/125-14-PM

Polarization-maintaining double-clad passive fiber



This PM passive fiber is designed to match Coractive's DCF-YB-6/128S-PM active fiber. It features low background losses and allows single-mode operation at 1064 nm. This fiber is ideal for manufacturing passive components for ultrafast fiber lasers and amplifiers.

Features & Benefits

- Compatible with industry standards and HI 1060-type double-clad PM fiber
- Single-mode operation at 1064 nm
- Low background losses
- Excellent geometrical properties

Applications

- Passive component manufacturing
- Ultrafast fiber lasers
- Fiber lasers and amplifiers
- Sensing

Related Products

- [DCF-YB-6/128S-PM](#)
Matched active fiber
- [DCF-UN-6/125-14](#)
Non-PM passive version

Specifications

Optical

Numerical Aperture - Core	0.14 ± 0.01
Numerical Aperture - Cladding	0.46
Background Loss @ 1200 nm (dB/km)	< 10
Cutoff Wavelength (nm)	950 ± 110
Birefringence	≥ 2.2E-04

Geometrical & Mechanical

Core Diameter (µm)	5.5 ± 1.0
Cladding Diameter (µm)	125 ± 1
Core/Cladding Concentricity Error (µm)	< 1.5
Coating Diameter (µm)	245 ± 15
Proof Test (kpsi)	≥ 100

Environmental

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

ISO 9001:2015 certified quality system | RoHS and REACH compliant.
All specifications are subject to change without notice. Reference: 101-10-0573.R2