

DCF-UN-10/125-08-PM

Polarization-maintaining double-clad passive fiber



This PM passive fiber is designed to perfectly match Coractive's DCF-YB-10/125E-PM active fiber. It is ideal for manufacturing passive components for the design of pulsed fiber lasers in material processing applications.

Features & Benefits

- Low background losses
- Excellent geometrical properties
- Compatible with industry standards

Applications

- Passive component manufacturing
- Pulsed fiber lasers
- Laser cutting and welding
- Medical

Related Products

- [DCF-YB-10/125E-PM](#)
Matched double-clad active fiber

Specifications

Optical

Numerical Aperture - Core	0.08 ± 0.01
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1100 nm (dB/km)	< 10
Cutoff Wavelength (nm)	950 ± 110
Birefringence	≥ 3.0E-04

Geometrical & Mechanical

Core Diameter (µm)	10 ± 1
Cladding Diameter (µm)	125 ± 2
Core/Cladding Concentricity Error (µm)	< 1.5
Coating Diameter (µm)	260 ± 20
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: 101-10-0544.R1