

DCF-UN-35/250-07-PM

Polarization-maintaining double-clad passive fiber



This PM passive fiber is designed to match the Yb-MCOF-35/250-07-2.5-PM and Yb-MCOF-35/250-07-0.9-PM active fibers. It is commonly used for manufacturing passive components of high peak power pulsed fiber lasers.

Features & Benefits

- Low background losses
- Excellent geometrical properties

Applications

- Passive Component Manufacturing
- Pulsed Fiber Lasers

Related Products

- [Yb-MCOF-35/250-07-2.5-PM](#)
Matched double-clad active fiber
- [Yb-MCOF-35/250-07-0.9-PM](#)
Matched double-clad active fiber

Specifications

Optical

Numerical Aperture - Core	0.07 ± 0.01
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1550 nm (dB/m)	< 10.0
Birefringence	≥ 1.4E-04

Geometrical & Mechanical

Core Diameter (µm)	35.0 ± 2.0
Cladding Diameter (µm)	250 ± 5
Core/Cladding Concentricity Error (µm)	< 1.5
Coating Diameter (µm)	290 ± 20
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