

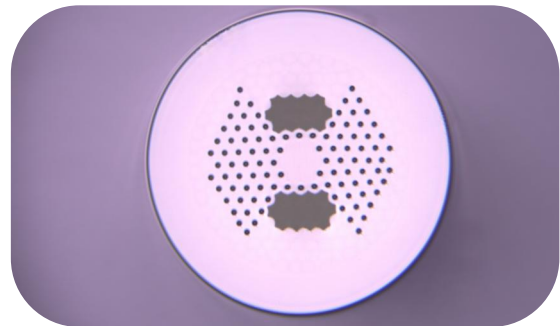
Yb-doped Photonic Crystal Fiber (Module)

Product Description

Based on the homemade and large diameter rare earth doped silica glass rod, the optical fiber preform is further prepared by capillary stacking method and then drawn at high temperature by precise pressure control technology. The PCF can be widely used in materials processing, medicine and scientific research.

Features

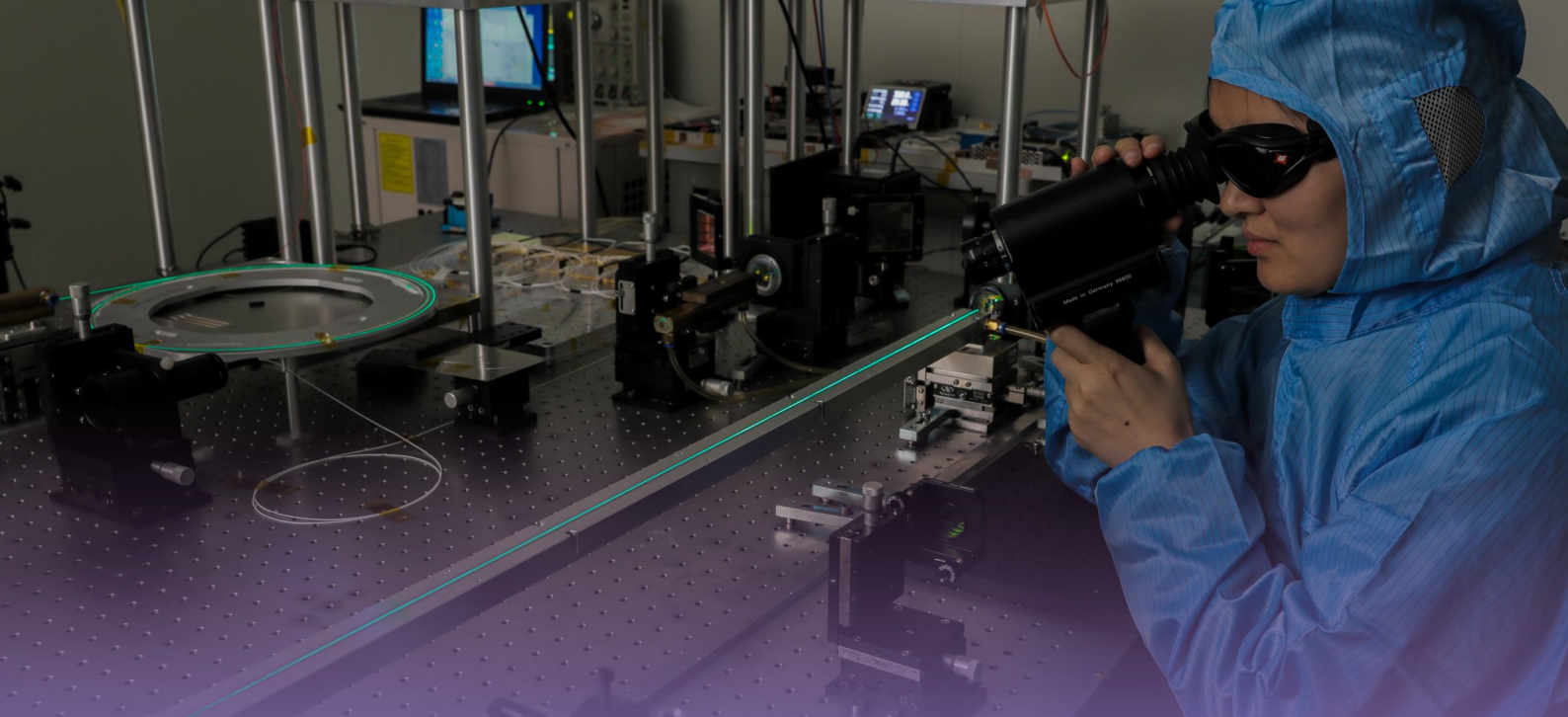
- ⦿ Extra large diameter core
- ⦿ Low nonlinearity effect
- ⦿ High damage threshold
- ⦿ Good pattern control capability
- ⦿ Reliable stability in high temperature and high humidity environments
- ⦿ Full optical fiber modules can be customized



Applications

- ⦿ Industry and scientific research
- ⦿ High power continuous fiber lasers and amplifiers





Specifications

Optical Specifications

Part Number	PCF-Yb-40/200-PM
Operating wavelength (nm)	1030-1100
Core NA	~0.03
Cladding NA	≥0.46
Cladding absorption (dB/m@915 nm)	3.5±1.0
Core attenuation (dB/km@1200 nm)	≤80.0

Geometric and Mechanical Specifications

Core diameter (μm)	40.0±5.0
Cladding diameter (μm)	200.0±10.0
Coating diameter (μm)	390.0±10.0
Coating materials	Low index Acrylate

Application Laser Characteristics

Peak power (kW)	≥100
Pulse width	ns-fs