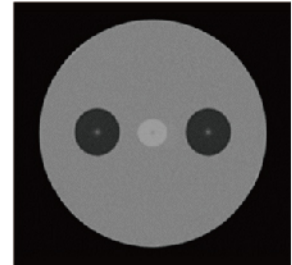


# Polarization-maintaining Ytterbium-doped Fiber

Everfoton panda type polarization-maintaining ytterbium-doped fiber based on advanced PCVD and MCVD technologies, has excellent geometric and birefringent properties, which can effectively reduce the nonlinear effect in the optical system. As a gain fiber, it has high optical conversion efficiency and outstanding beam quality, which is widely used in ultrashort pulse precision processing, lidar and other fields.



## Features

- Precise control of geometric parameters
- Excellent birefringence
- High laser conversion efficiency
- Excellent beam quality

## Applications

- Ultrashort pulse fiber amplifier and fiber laser
- Lidar
- Laser range finding
- Continuous fiber amplifier and fiber laser

## Specifications

| Fiber Type                                   | YDF_DC 25/250(PM) | YDF_DC 30/250(PM) |
|--|-------------------|-------------------|
| Part No.                                     | YD1111-F          | YD1111-E          |
| <b>Optical Properties</b>                    |                   |                   |
| Operating Wavelength (Yb <sup>3+</sup> )(nm) | 1030 - 1115       | 1030 - 1115       |
| Cladding Attenuation@1095nm (dB/km)          | < 20              | < 20              |
| Cladding Pump Absorption@915nm (dB/m)        | 1.6 ± 0.2         | 1.8 ± 0.2         |
| Cladding Pump Absorption@975nm (dB/m)        | 4.8               | 5.3               |
| Core NA                                      | 0.06 ± 0.01       | 0.06 ± 0.01       |
| Inner Cladding NA                            | ≥ 0.46            | ≥ 0.46            |
| <b>Geometrical Properties</b>                |                   |                   |
| Core Diameter (μm)                           | 25.0 ± 2.5        | 30 ± 2            |
| Inner Cladding Diameter (μm)                 | 250 ± 8           | 250 ± 8           |
| Coating Diameter (μm)                        | 395 ± 15          | 395 ± 15          |
| Inner Cladding Shape (N/A)                   | Circular          | Circular          |
| Proof Test (kpsi)                            | ≥ 100             | ≥ 100             |