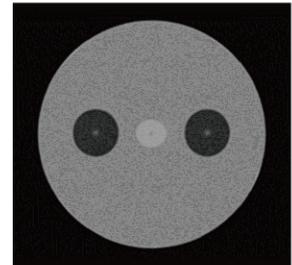


Polarization-maintaining Ytterbium-doped Fiber

Everfoton's 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. It is widely used in ultrashort pulse precision processing, lidar and other fields.



Characteristics

- 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 10/125(PM)	YDF_DC 25/250(PM)	YDF_DC 30/250(PM)
Part No.	YD1113-A	YD1111-F	YD1111-E
Optical Properties			
Operating Wavelength (nm)	1030 ~ 1115	1030 ~ 1115	1030 ~ 1115
Cladding Attenuation@1095nm (dB/km)	<20	<20	<20
Cladding Pump Absorption @915nm (dB/m)	1.9±0.4	1.6±0.2	1.8±0.2
Cladding Pump Absorption@975nm (dB/m)	6.2±0.8	4.8	5.3
Core NA	0.075±0.05	0.06±0.01	0.06±0.01
Inner Cladding NA	≥0.46	≥0.46	≥0.46
Geometrical/Mechanical Properties			
Core Diameter (μm)	10±2	25.0±2.5	30±2
Inner Cladding Diameter (μm)	125±3	250±8	250±8
Coating Diameter (μm)	245±15	395±15	395±15
Inner Cladding Shape (N/A)	Circular	Circular	Circular
Proof Test (kpsi)	≥100	≥100	≥100