1.5μm PM Passive Matching Fiber

The CJ Photonics 1.5μm PM Passive Matching Fiber is matched with PM Er and Yb Co-Doped Fiber to achieve high matching performance,reduce fusion losses,and ensure the high- performance output of Polarization Maintaining Erand Yb codoped fiberin system applications.

• Product Features

◎ Better fiber optic reliability

◎ High birefringence characteristics

• Application Areas

◎ Eye safety(1.5μm)fiber laser

◎ Laser ranging, LiDAR

• Product Parameters

	Parameter	Type	CJGDF-PM -6/125	CJGDF-PM -9/125	CJGDF-PM -25/300	CJGSF-PM -980-XP	CJGSF-PM -1550-XP
Optical	Operating Wavelength	nm	1530-1625	1450-1600	1530-1800	970-1550	1440-1625
	Cut-off Wavelength	-	≤1430	≤1430	-	920±50	≤1380
	Core NA	-	0.18±0.01	0.12±0.01	0.085±0.01	0.12±0.01	0.125±0.01
	Cladding NA	m	≥0.46	≥0.46	≥0.46	-	-
	Core Attenuation@1550nm	m	≤1.0	≤1.0	-	-	-
	Cladding Attenuation@1095nm	m	≤15.0	≤15.0	≤ 15.0	-	-
	Mode-field Diameter@980nm	μm	6.5±0.5@1550nm	10.5±0.7@1550nm	-	6.5±0.5@980nm	10.0±0.7@1550nm
	Birefringence	μm	≥1.5	≥2.5	≥2.5	≥3.5	≥3.2
	Core Diameter	μm	6.0±0.5	9.0±1.0	25.0±2.0	5.5±0.5	8.5±1.0
Geometrical&Mechanical	Cladding Diameter	μm	125.0±1.0	125.0±3.0	300.0±8.0	125±2.0	125.0±2.0
	Cladding Geometry	μm	Circular, Panda Circle	Circular, Panda Circle	Circular, Panda Circle	Circular, Panda Circle	Circular, Panda Circle
	Core-Cladding Concentricity Error	μm	≤0.50	≤0.50	≤2.00	-	-
	Coating Diameter	μm	245.0±10.0	245.0±10.0	450. 0±15. 0	245.0±5. 0	245.0±10.0
	Coating Material	μm	low refractive index coating	low refractive index coating	low refractive index coating	high refractive index coating	high refractive index coating
	Matrix Material	-	silica	silica	silica	silica	silica
	Proof Test	kpsi	≥100	≥100	≥100	≥100	≥100