

1.5μm Double-Clad Passive Matching Fiber

By Matching the Double-Clad Passive Matching Fiber with Er and Yb Co-Doped Fiber at a wavelength of 1.5μm, the high matching performance reduces fusion loss and ensures the high-performance output of Er and Yb co-doped fiber in system applications.

• Product Features

- ◎ Better reliability
- ◎ Low fusion attenuation and good mode control

• Application Areas

- ◎ Eye safety(1.5μm) fiber laser
- ◎ Laser ranging, LiDAR

• Product Parameters

Parameter		Type	CJGDF-6/125	CJGDF-9/125	CJGDF-LMA-25/300	CJGDF-LMA-30/250
Optical	Core NA	-	0.18±0.01	0.12±0.01	0.085±0.01	0.090±0.01
	Cladding NA	-	≥0.46	≥0.46	≥0.46	≥0.46
	Mode-field Diameter @1550nm	μm	6.5±0.5	10.5±0.7	-	-
	Cut-off Wavelength	nm	≤1430	≤1430	-	-
	Core Attenuation @1550nm	dB/km	≤1.0	≤1.0	≤1.0	≤1.0
	Cladding Attenuation @1095nm	dB/km	≤15.0	≤15.0	≤15.0	≤30.0
Geometrical&Mechanical	Core Diameter	μm	6.0±1.0	9.0±1.0	25.0±2.0	30.0±2.0
	Cladding Diameter	μm	125.0±2.0	125.0±2.0	300.0±5.0	250.0±5.0
	Inner Cladding Geometry		Circular	Circular	Circular	Circular
	Core-Cladding Concentricity Error	μm	≤0.50	≤0.50	≤2.00	≤2.00
	Coating Diameter	μm	245.0±10.0	245.0±10.0	450.0±15.0	395.0±10.0
	Matrix Material	-	low refractive index coating	low refractive index coating	low refractive index coating	low refractive index coating
	Matrix Material	-	silica	silica	silica	silica
	Proof Test	kpsi	≥100	≥100	≥100	≥100