

# Single Mode Fiber Achromatic Collimator 1550nm (waist spot diameter 2.0mm FC/APC)



- **Product Description**

Composed of a large numerical aperture lens system, it can use multimode optical fibers with larger numerical apertures. The beam emitted from the multimode fiber can be shaped, or the spatial plane beam can be coupled into the multimode fiber to achieve good collimation and spot shape over long distances.



- **Product features**

Achromatic design optimization; multimode fiber compatibility; enhanced thermal stability design; precise waist spot control; high power and reliability

- **Part Number**

MP-CLM-1550-2-0.06-SA

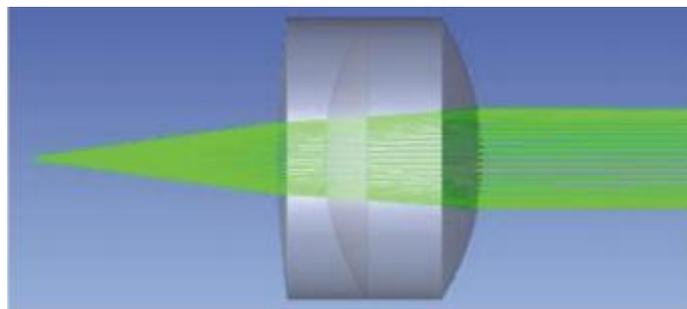
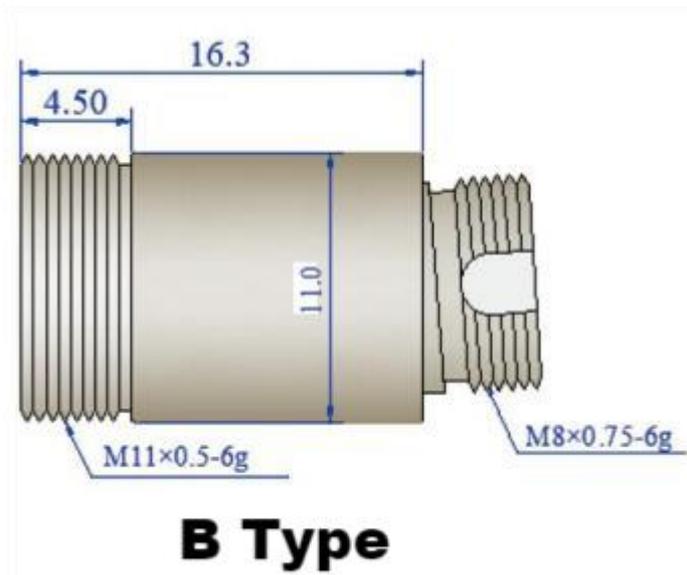
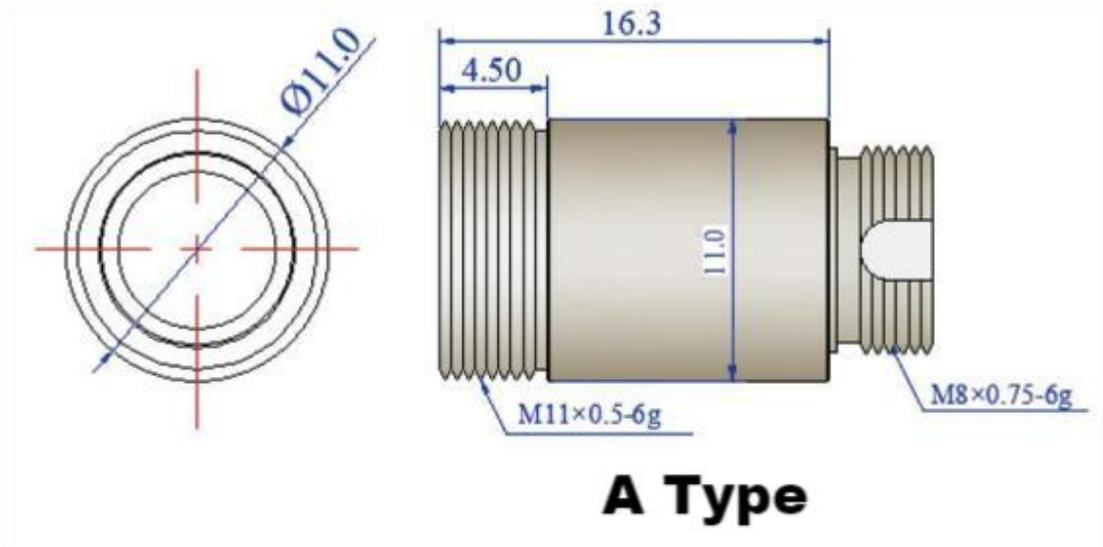
- **Application area**

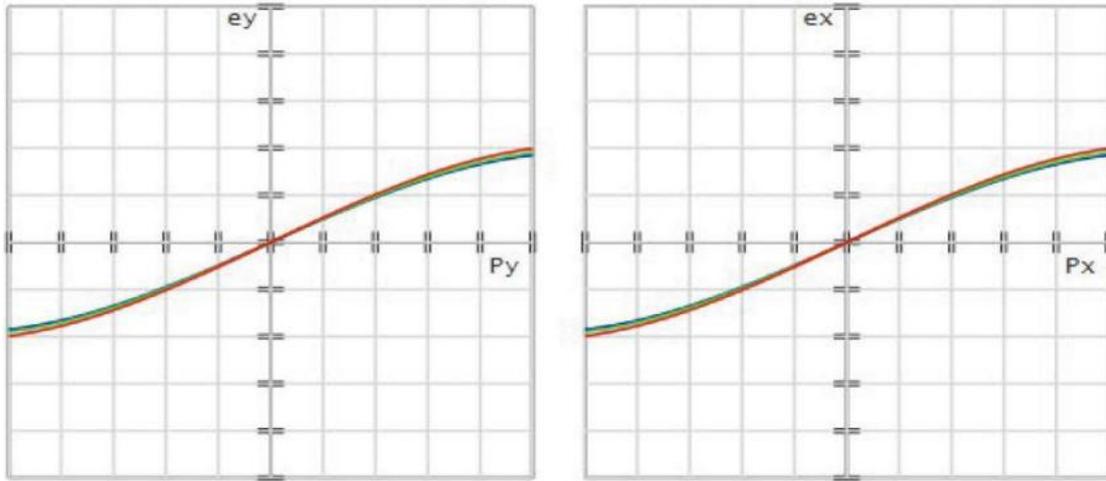
Optical Network Testing | Industrial Sensing | Medical Endoscopy | Security Surveillance | Fiber Optic Component Inspection

- **Core parameters**

Center wavelength	Operating Bandwidth	Waist Beam	Connectors
1550nm	1050~1700nm	2.0mm	FC/APC

- **General Parameters**





**phasic variation curve with wavelength**

Wavelength	Band width	Waist Beam	Divergence Angle	EFL	NA	Package Dia.	Fiber Type	Max. Power	Transmittance
405nm	± 30nm	0.97 mm	0.062+ 0.01°	4.06 mm	0.61	Φ 11mm	405 HP	2W/mm <sup>2</sup> @Beam Size	>95%
	± 30nm	2.0 mm	0.03+0 .01°	10.05 mm	0.37	Φ 11mm			



	± 30nm	3.7 mm	0.021+ 0.01°	15.96 mm	0. 25	Φ 11m m			
	± 30nm	3.95 mm	0.015+ 0.01°	19.95 mm	0. 2	Φ 11m m			
450nm	± 30nm	0.96 mm	0.06+0 .01°	4.10 mm	0. 6	Φ 11m m	460 HP		
	± 30nm	2.0 mm	0.028+ 0.01°	10.07 mm	0. 37	Φ 11m m			
	± 30nm	3.6 mm	0.020+ 0.01°	15.98 mm	0. 25	Φ 11m m			
	± 30nm	3.95 mm	0.014+ 0.01°	19.96 mm	0. 2	Φ 11m m			

520nm	± 30nm	0.92 mm	0.059+ 0.01°	4.15 mm	0. 6	Φ 11m m			
	± 30nm	2.0 mm	0.025+ 0.01°	10.09 mm	0. 37	Φ 11m m			
	± 30nm	3.2 mm	0.019+ 0.01°	15.98 mm	0. 25	Φ 11m m			
	± 30nm	3.95 mm	0.014+ 0.01°	19.97 mm	0. 2	Φ 11m m			
635nm	± 30nm	0.87 mm	0.056+ 0.01°	4.20 mm	0. 58	Φ 11m m	630 HP		
	± 30nm	2.0 mm	0.024+ 0.01°	10.13 mm	0. 37	Φ 11m m			



	± 30nm	3.12 mm	0.019+ 0.01°	16.01 mm	0. 25	Φ 11m m			
	± 30nm	3.95 mm	0.014+ 0.01°	20m m	0. 2	Φ 11m m			
780nm	± 30nm	1.95 mm	0.031+ 0.01°	10.04 mm	0. 37	Φ 11m m	780 HP		
	± 30nm	3.49 mm	0.020+ 0.01°	16.0 mm	0. 24	Φ 11m m			
	± 30nm	4.4 mm	0.015+ 0.01°	20.03 mm	0. 2	Φ 11m m			
850nm	± 30nm	2.0 mm	0.030+ 0.01°	10.05 mm	0. 37	Φ 11m m			



	± 30nm	3.47 mm	0.020+ 0.01°	16.01 mm	0. 24	Φ 11m m			
	± 30nm	3.95 mm	0.016+ 0.01°	20.03 mm	0. 2	Φ 11m m			

Wavelength	Bandwidth	Waist Beam	Divergence Angle	EFL	NA	Package Dia.	Fiber Type	Max. Power	Transmittance
980nm	600~1050nm	2.0mm	0.035+ 0.01°	10.0 7mm	0. 37	Φ 11m m	980 HP	2W/mm <sup>2</sup> @Beam Size	>95%
	600~1050nm	3.39mm	0.024+ 0.01°	16.0 3mm	0. 24	Φ 11m m			



	600~10 50nm	4.23 mm	0.018+ 0.01°	20.0 5mm	0. 2	Φ 11m m			
1064n m	1050~1 700nm	2.0 mm	0.038+ 0.01°	10.0 3mm	0. 37	Φ 11m m	HI10 60		
	1050~1 700nm	3.51 mm	0.032+ 0.01°	15.9 7mm	0. 24	Φ 11m m			
	1050~1 700nm	3.9 mm	0.026+ 0.01°	19.9 7mm	0. 2	Φ 11m m			
1310n m	1050~1 700nm	2.0 mm	0.053+ 0.01°	10.0 7mm	0. 37	Φ 11m m	SMF -28E		
	1050~1 700nm	2.91 mm	0.036+ 0.01°	16.0 1mm	0. 24	Φ 11m m			



	1050~1 700nm	3.62 mm	0.028+ 0.01°	20.0 mm	0. 2	Φ 11m m			
1550n m	1050~1 700nm	2.0 mm	0.06+0 .01°	10.1 1mm	0. 37	Φ 11m m			
	1050~1 700nm	3.14 mm	0.039+ 0.01°	16.0 8mm	0. 24	Φ 11m m			
	1050~1 700nm	3.55 mm	0.031+ 0.01°	20.0 7mm	0. 2	Φ 11m m			
1654n m	1050~1 700nm	2.0 mm	0.06+0 .01°	10.1 4mm	0. 37	Φ 11m m			
	1050~1 700nm	3.2 mm	0.036+ 0.01°	16.1 5mm	0. 24	Φ 11m m			



	1050~1	3.65	0.029+	20.1	0.	Φ			
	700nm	mm	0.01°	2mm	2	11m			
						m			

### 3D modeling drawing preview

