Single mode fiber achromatic collimator 1310nm (beam waist spot diameter 2mm FCAPC)

- ## 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-1310-2-0.053-SA

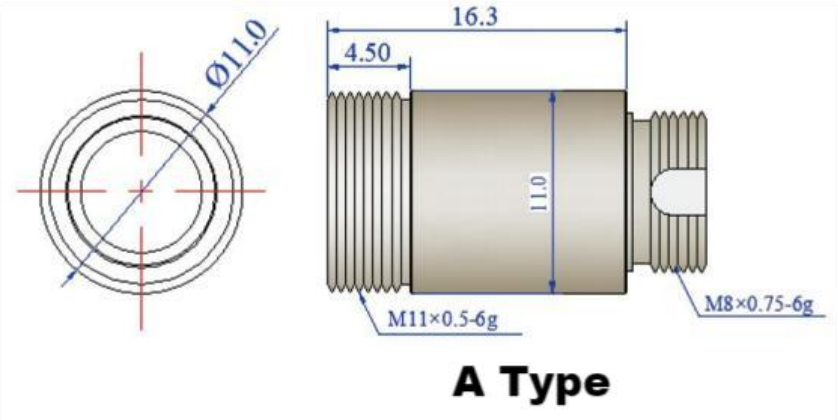
Application area

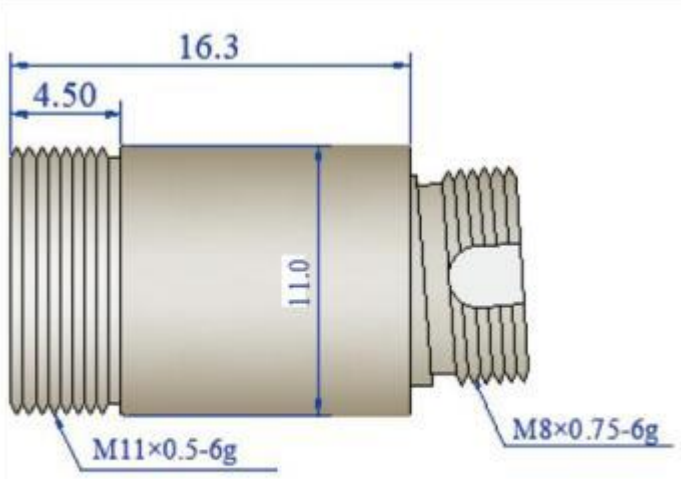
Optical Network Testing | Industrial Sensing | Medical Endoscopy | Security Surveillance | Fiber Optic Component Inspection

Core parameters

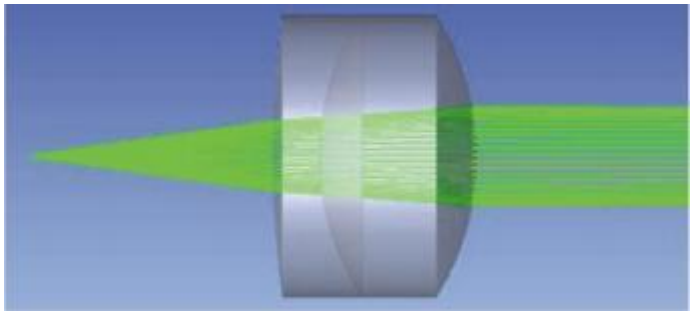
Center wavelength	Operating Bandwidth	Waist Beam	Connectors
1310nm	1050~ 1700nm	2mm	FC/APC

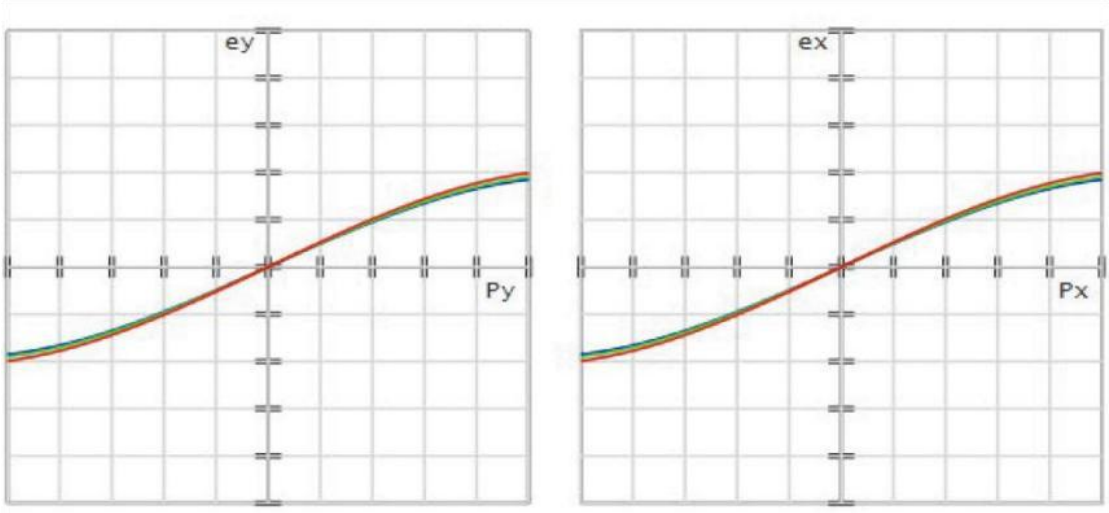
General Parameters





B Type





phasic variation curve with wavelength

Wavelength	Bandwidth	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/mm² @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 11mm			
	± 30nm	3.95 mm	0.015+0.01°	19.95 mm	0.2	Φ 11mm			
450nm	± 30nm	0.96 mm	0.06+0.01°	4.10 mm	0.6	Φ 11mm	460 HP		
	± 30nm	2.0 mm	0.028+0.01°	10.07 mm	0.37	Φ 11mm			

	± 30nm	3.6 mm	0.020+ 0.01°	15.98 mm	0.25	Φ 11mm			
	± 30nm	3.95 mm	0.014+ 0.01°	19.96 mm	0.2	Φ 11mm			
520nm	± 30nm	0.92 mm	0.059+ 0.01°	4.15 mm	0.6	Φ 11mm			
	± 30nm	2.0 mm	0.025+ 0.01°	10.09 mm	0.37	Φ 11mm			
	± 30nm	3.2 mm	0.019+ 0.01°	15.98 mm	0.25	Φ 11mm			
	± 30nm	3.95 mm	0.014+ 0.01°	19.97 mm	0.2	Φ 11mm			
635nm	± 30nm	0.87 mm	0.056+ 0.01°	4.20 mm	0.58	Φ 11mm	630 HP		
	±	2.0	0.024+	10.13	0.	Φ			

	30nm	mm	0.01°	mm	37	11mm			
	± 30nm	3.12 mm	0.019+ 0.01°	16.01 mm	0.25	Φ 11mm			
	± 30nm	3.95 mm	0.014+ 0.01°	20mm	0.2	Φ 11mm			
780nm	± 30nm	1.95 mm	0.031+ 0.01°	10.04 mm	0.37	Φ 11mm	780 HP		
	± 30nm	3.49 mm	0.020+ 0.01°	16.0 mm	0.24	Φ 11mm			
	± 30nm	4.4 mm	0.015+ 0.01°	20.03 mm	0.2	Φ 11mm			
850nm	± 30nm	2.0 mm	0.030+ 0.01°	10.05 mm	0.37	Φ 11mm			
	± 30nm	3.47 mm	0.020+ 0.01°	16.01 mm	0.24	Φ 11m			

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	± 30nm	3.95 mm	0.016+ 0.01°	20.03 mm	0.2	Φ 11mm			

Wavelength	Bandwidth	Waist Beam	Divergence Angle	EFL	NA	Package Dia.	Fiber Type	Max.Power	Transmittance
980nm	600~1050nm	2.0 mm	0.035+ 0.01°	10.07mm	0.37	Φ 11mm	980 HP	2W/mm2 @Beam Size	>95%
	600~1050nm	3.39 mm	0.024+ 0.01°	16.03mm	0.24	Φ 11mm			
	600~1050nm	4.23 mm	0.018+ 0.01°	20.05mm	0.2	Φ 11mm			
1064nm	1050~1700nm	2.0 mm	0.038+ 0.01°	10.03mm	0.37	Φ 11mm	HI1060		

	1050~1700nm	3.51mm	0.032+0.01°	15.97mm	0.24	Φ11mm			
	1050~1700nm	3.9mm	0.026+0.01°	19.97mm	0.2	Φ11mm			
1310nm	1050~1700nm	2.0mm	0.053+0.01°	10.07mm	0.37	Φ11mm	SMF-28E		
	1050~1700nm	2.91mm	0.036+0.01°	16.01mm	0.24	Φ11mm			
	1050~1700nm	3.62mm	0.028+0.01°	20.0mm	0.2	Φ11mm			
1550nm	1050~1700nm	2.0mm	0.06+0.01°	10.11mm	0.37	Φ11mm			
	1050~1700nm	3.14mm	0.039+0.01°	16.08mm	0.24	Φ11mm			
	1050~1	3.55	0.031+	20.0	0.	Φ			

	700nm	mm	0.01°	7mm	2	11mm			
1654nm	1050~1700nm	2.0mm	0.06+0.01°	10.14mm	0.37	Φ11mm			
	1050~1700nm	3.2mm	0.036+0.01°	16.15mm	0.24	Φ11mm			
	1050~1700nm	3.65mm	0.029+0.01°	20.12mm	0.2	Φ11mm			

3D modeling drawing preview