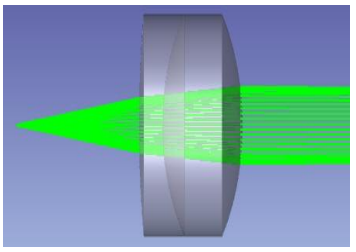
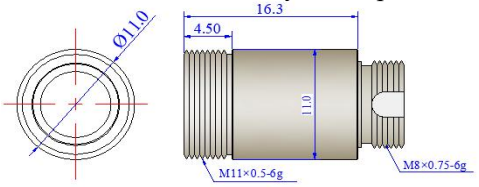


Single-mode Fiber Achromatic Lenses Collimators It consists of a group of long focal length collimating optical systems with chromatic aberration and distortion compensation design, making the focal length of the collimator insensitive to wavelength bandwidth. The divergent light beam emitted from the optical fiber, providing a good collimating effect and beam shape within a certain distance range. The optical surfaces of the lens group are coated with anti-reflection film to minimize surface reflection. The relative position of the lens and fiber is precisely adjusted to ensure that the deviation angle of the emitted light is within 0.3°, and standardized manufacturing processes ensure stable consistency of the product.



A型 B型

Wavelength	Bandwidth	Waist Beam	Divergence Angle	EFL	NA	Package Dia.	Fiber Type	connector	Transmittance
405nm	±30nm	0.97mm	0.062+0.01°	4.06mm	0.61	Φ11mm	405HP	FC/PC FC/APC Sma905	>95%
	±30nm	2.1mm	0.03+0.01°	10.05mm	0.37	Φ11mm			
	±30nm	3.7mm	0.021+0.01°	15.96mm	0.25	Φ11mm			
	±30nm	4.9mm	0.015+0.01°	19.95mm	0.20	Φ11mm			
450nm	±30nm	0.96mm	0.06+0.01°	4.10mm	0.60	Φ11mm	460HP		
	±30nm	2.1mm	0.028+0.01°	10.07mm	0.37	Φ11mm			
	±30nm	3.6mm	0.020+0.01°	15.98mm	0.25	Φ11mm			
	±30nm	4.7mm	0.014+0.01°	19.96mm	0.20	Φ11mm			
525nm	±30nm	0.92mm	0.059+0.01°	4.15mm	0.60	Φ11mm			
	±30nm	2.04mm	0.025+0.01°	10.09mm	0.37	Φ11mm			
	±30nm	3.2mm	0.019+0.01°	15.98mm	0.25	Φ11mm			
	±30nm	4.3mm	0.014+0.01°	19.97mm	0.20	Φ11mm			
635nm	±30nm	0.87mm	0.056+0.01°	4.20mm	0.58	Φ11mm	630HP		
	±30nm	2.0mm	0.024+0.01°	10.13mm	0.37	Φ11mm			
	±30nm	3.12mm	0.019+0.01°	16.01mm	0.25	Φ11mm			
	±30nm	3.95mm	0.014+0.01°	20mm	0.20	Φ11mm			
780nm	±30nm	1.95mm	0.031+0.01°	10.04mm	0.37	Φ11mm	780HP		
	±30nm	3.49mm	0.020+0.01°	16.0mm	0.24	Φ11mm			
	±30nm	4.4mm	0.015+0.01°	20.03mm	0.20	Φ11mm			
850nm	±30nm	2.0mm	0.030+0.01°	10.05mm	0.37	Φ11mm			
	±30nm	3.47mm	0.020+0.01°	16.01mm	0.24	Φ11mm			
	±30nm	4.33mm	0.016+0.01°	20.03mm	0.20	Φ11mm			

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Wavelength	Bandwidth	Waist Beam	Divergence Angle	EFL	NA	Package Dia.	Fiber Type	connector	Transmittance
980nm	600~1050nm	1.95mm	0.035+0.01°	10.07mm	0.37	Φ11mm	980HP	FC/PC FC/APC Sma905	>95%
	600~1050nm	3.39mm	0.024+0.01°	16.03mm	0.24	Φ11mm			
	600~1050nm	4.23mm	0.018+0.01°	20.05mm	0.20	Φ11mm			
1064nm	1050~1700nm	1.9mm	0.038+0.01°	10.03mm	0.37	Φ11mm	HI1060		
	1050~1700nm	3.51mm	0.032+0.01°	15.97mm	0.24	Φ11mm			
	1050~1700nm	4.39mm	0.026+0.01°	19.97mm	0.20	Φ11mm			
1310nm	1050~1700nm	1.85mm	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	0.20	Φ11mm			
1550nm	1050~1700nm	1.85mm	0.06+0.01°	10.11mm	0.37	Φ11mm			
	1050~1700nm	3.14mm	0.039+0.01°	16.08mm	0.24	Φ11mm			
	1050~1700nm	3.92mm	0.031+0.01°	20.07mm	0.20	Φ11mm			
1654nm	1050~1700nm	2.05mm	0.06+0.01°	10.14mm	0.37	Φ11mm			
	1050~1700nm	3.2mm	0.036+0.01°	16.15mm	0.24	Φ11mm			
	1050~1700nm	3.98mm	0.029+0.01°	20.12mm	0.20	Φ11mm			

Non-magnetic Material Aspheric Lenses Polarization-Maintaining

Collimators with Fiber

The housing material uses NJSSPEEK-1000 pure resin material, with a density of 1.3g/cm3, a bending strength of 165MPa, and a thermal deformation temperature of 152℃. It is suitable for beam collimation and coupling optical paths in strong electromagnetic environments.

Wavelength	Bandwidth	Waist Beam Size	Divergence Angle	ER	EFL	Pakage Dia.	Fiber Type	Connector	Transmittance
633nm	±5nm	2.0mm	0.40mrad	18	10mm	5mm	PM630-HP	FC/APC	>90%
	±5nm	3.0mm	0.27mrad	18	14mm	5mm			
	±5nm	4.45mm	0.18mrad	18	22mm	10mm			
780nm	±5nm	2.0mm	0.50mrad	20	10mm	5mm	PM780-HP		
	±5nm	2.6mm	0.38mrad	20	14mm	5mm			
	±5nm	4.35mm	0.23mrad	20	22mm	10mm			
850nm	±5nm	2.1mm	0.50mrad	20	10mm	5mm			
	±5nm	2.8mm	0.39mrad	20	14mm	5mm			
	±5nm	4.6rmad	0.24mrad	20	22mm	10mm			

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