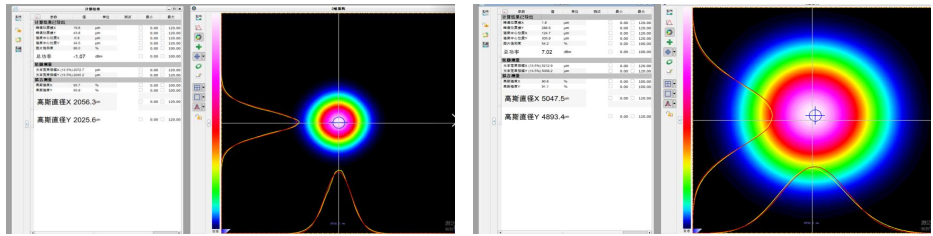


Aspheric Lenses Collimators With a fixed focal length is used because non-spherical lenses have a design that corrects for chromatic aberration and have good collimation of the light beam, resulting in a Gaussian distribution of energy in the output optical beam. The lens is double-sided coated with anti-reflection films to minimize surface reflection. However, the effective focal length (EFL) of aspheric lenses is closely related to wavelength, resulting in chromatic aberration. The relative position of the lens and optical fiber is precisely adjusted to ensure that the angle of the output light is within 0.5°, and standard manufacturing processes are used to ensure product stability, consistency, and good compatibility.



Single-Mode Fiber

Wavelength	Bandwidth	Export beam Size	Divergence Angle	EFL	NA	Package Dia.	Fiber Type	Connector	Transmittance
405nm	± 5nm	0.86mm	0.06°+0.01°	4.45mm	0.25	Φ11mm	405HP	FC/PC FC/APC Sma905	>95%
	± 5nm	2.4mm	0.02° +0.01°	10.67mm	0.25	Φ11mm			
	± 5nm	3.1mm	0.015° +0.01°	17.71mm	0.15	Φ11mm			
450nm	± 5nm	0.82mm	0.05°+0.01°	4.50mm	0.25	Φ11mm			
	± 5nm	2.2mm	0.02° +0.01°	10.77mm	0.24	Φ11mm			
	± 5nm	3.0mm	0.015° +0.01°	17.88mm	0.15	Φ11mm			
520nm	± 5nm	0.84mm	0.05°+0.01°	4.55mm	0.25	Φ11mm	460HP		
	± 5nm	2.2mm	0.02° +0.01°	10.87mm	0.24	Φ11mm			
	± 5nm	3.2mm	0.015° +0.01°	18.02mm	0.15	Φ11mm			
633nm	± 5nm	0.86mm	0.05°+0.01°	4.59mm	0.24	Φ11mm	630HP		
	± 5nm	2.2mm	0.02° +0.01°	10.96mm	0.24	Φ11mm			
	± 5nm	3.5mm	0.015° +0.01°	18.14mm	0.15	Φ11mm			
780nm	± 5nm	1.0mm	0.06°+0.01°	4.63mm	0.24	Φ11mm	780HP		
	± 5nm	2.25mm	0.026° +0.01°	11.06mm	0.24	Φ11mm			
	± 5nm	4.0mm	0.01° +0.01°	18.33mm	0.15	Φ11mm			
850nm	± 5nm	1.0mm	0.06°+0.01°	4.64mm	0.24	Φ11mm			
	± 5nm	2.3mm	0.03° +0.01°	11.10mm	0.24	Φ11mm			
	± 5nm	3.99mm	0.02° +0.01°	18.45mm	0.15	Φ11mm			
980nm	± 5nm	1.0mm	0.07°+0.01°	4.66mm	0.24	Φ11mm	980HP		
	± 5nm	2.3mm	0.03° +0.01°	11.16mm	0.24	Φ11mm			
	± 5nm	4.0mm	0.02° +0.01°	18.52mm	0.15	Φ11mm			

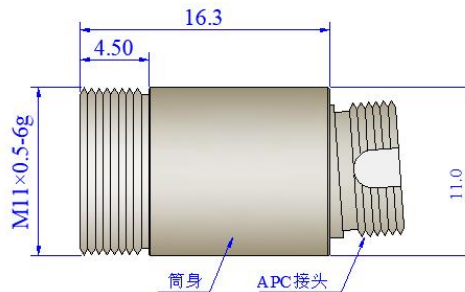
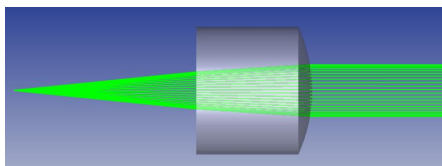


Wavelength	Bandwidth	Export beam Size	Divergence Angle	EFL	NA	Package Dia.	Fiber Type	Connector	Transmittance
1064nm	± 5nm	1.0mm	0.08°+0.01°	4.67mm	0.24	Φ11mm	HI1060	FC/PC	>95%
	± 5nm	2.3mm	0.032° +0.01°	11.18mm	0.24	Φ11mm		FC/APC	
	± 5nm	4.05mm	0.02° +0.01°	18.58mm	0.15	Φ11mm		Sma905	
1310nm	± 5nm	0.84mm	0.11°+0.01°	4.70mm	0.24	Φ11mm	Smf-28e	FC/PC FC/APC Sma905	>95%
	± 5nm	2.05mm	0.047° +0.01°	11.25mm	0.23	Φ11mm			
	± 5nm	3.35mm	0.029° +0.01°	18.67mm	0.15	Φ11mm			
1550nm	± 5nm	0.87mm	0.11°+0.01°	4.74mm	0.24	Φ11mm	Smf-28e	FC/PC FC/APC Sma905	>95%
	± 5nm	2.10mm	0.053° +0.01°	11.31mm	0.23	Φ11mm			
	± 5nm	3.5mm	0.032° +0.01°	18.75mm	0.15	Φ11mm			
1650nm	± 5nm	0.90mm	0.11°+0.01°	4.74mm	0.24	Φ11mm	Smf-28e	FC/PC FC/APC Sma905	>95%
	± 5nm	2.15mm	0.058° +0.01°	11.36mm	0.23	Φ11mm			
	± 5nm	3.64mm	0.035° +0.01°	18.81mm	0.15	Φ11mm			

Multimode Fiber

Wavelength	Bandwidth	Export beam Size	Divergence Angle	EFL	NA(Lens)	Package Dia.	Fiber Type	Connector	Transmittance
450nm	± 5nm	5.7mm	5.9mrad	10.77mm	0.31	Φ11mm	62.5/125	FC/PC Sma905	>95%
	± 5nm	4.7mm	18.8mrad	10.77mm	0.31	Φ11mm	200/220		
485nm	± 5nm	4.7mm	9.9mrad	10.84mm	0.31	Φ11mm	62.5/125		
	± 5nm	4.8mm	18.7mrad	10.84mm	0.31	Φ11mm	200/220		
	± 5nm	4.8mm	37.6mrad	10.84mm	0.31	Φ11mm	400/440		
525nm	± 5nm	5.8mm	6.0mrad	10.89mm	0.31	Φ11mm	62.5/125		
	± 5nm	4.8mm	9.8mrad	10.89mm	0.31	Φ11mm	105/125		
	± 5nm	4.8mm	18.7mrad	10.89mm	0.31	Φ11mm	200/220		
	± 5nm	4.8mm	37.5mrad	10.89mm	0.31	Φ11mm	400/440		
635nm	± 5nm	5.9mm	5.9mrad	11.0mm	0.31	Φ11mm	62.5/125		
	± 5nm	4.8mm	9.7mrad	11.0mm	0.31	Φ11mm	105/125		
	± 5nm	4.8mm	18.5mra	11.0mm	0.31	Φ11mm	200/220		
	± 5nm	4.9mm	37.2mrad	11.0mm	0.31	Φ11mm	400/440		
780nm	± 5nm	5.9mm	5.8mrad	11.09mm	0.30	Φ11mm	62.5/125		
	± 5nm	4.9mm	9.7mrad	11.09mm	0.30	Φ11mm	105/125		
	± 5nm	4.9mm	18.4mrad	11.09mm	0.30	Φ11mm	200/220		
	± 5nm	4.9mm	37.0mrad	11.09mm	0.30	Φ11mm	400/440		

Wavelength	Bandwidth	Export beam Size	Divergence Angle	EFL	NA(Lens)	Package Dia.	Fiber Type	Connector	Transmittance
850nm	± 5nm	6.0mm	6.0mrad	11.12mm	0.30	Φ11mm	62.5/125	FC/PC Sma905	>95%
	± 5nm	4.8mm	9.6mrad	11.12mm	0.30	Φ11mm	105/125		
	± 5nm	4.8mm	18.4mrad	11.12mm	0.30	Φ11mm	200/220		
	± 5nm	4.8mm	36.9mrad	11.12mm	0.30	Φ11mm	400/440		
905nm	± 5nm	4.8mm	9.6mrad	11.14mm	0.30	Φ11mm	105/125		
	± 5nm	4.8mm	18.4mrad	11.14mm	0.30	Φ11mm	200/220		
1064nm	± 5nm	6.0mm	5.8mrad	11.19mm	0.30	Φ11mm	62.5/125		
	± 5nm	4.9mm	9.6mrad	11.19mm	0.30	Φ11mm	105/125		
	± 5nm	4.9mm	18.3mrad	11.19mm	0.30	Φ11mm	200/220		
	± 5nm	4.9mm	36.6mrad	11.19mm	0.30	Φ11mm	400/440		
1310nm	± 5nm	6.0mm	5.7mrad	11.26mm	0.30	Φ11mm	62.5/125		
	± 5nm	4.9mm	9.5mrad	11.26mm	0.30	Φ11mm	105/125		
	± 5nm	4.9mm	18.2mrad	11.26mm	0.30	Φ11mm	200/220		
	± 5nm	4.9mm	36.5mrad	11.26mm	0.30	Φ11mm	400/440		
1550nm	± 5nm	6.0mm	5.7mrad	11.32mm	0.30	Φ11mm	62.5/125		
	± 5nm	4.9mm	9.5mrad	11.32mm	0.30	Φ11mm	105/125		
	± 5nm	4.9mm	18.1mrad	11.32mm	0.30	Φ11mm	200/220		
	± 5nm	5.0mm	36.3mrad	11.32mm	0.30	Φ11mm	400/440		



- * All testing data for beam size and divergence angle are obtained by connecting the standard jumpers from CNI.
- * Also applicable for polarization maintaining fiber with corresponding wavelength.
- * Non-magnetic material housing (NJSSPEEK-1000) can be customized.