Single mode optical fiber achromatic collimator 1654nm (beam waist spot diameter 2.05mm)

Product Description

It is composed of a set of telephoto collimating optical systems. It shapes the emitted light beam from the optical fiber so that the light beam has good collimation effect and spot shape within the distance range

Part Number

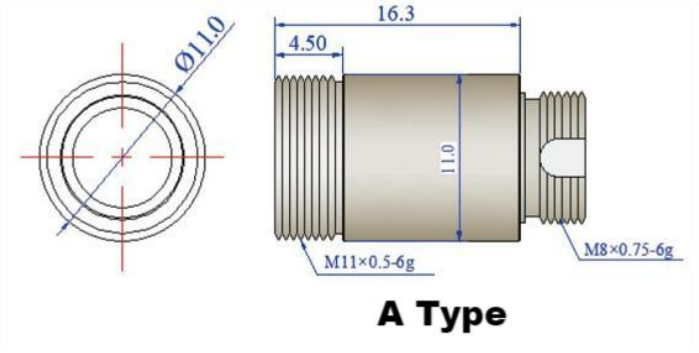
NIR-CLM-1654-2.05-0.06-SP

Product features

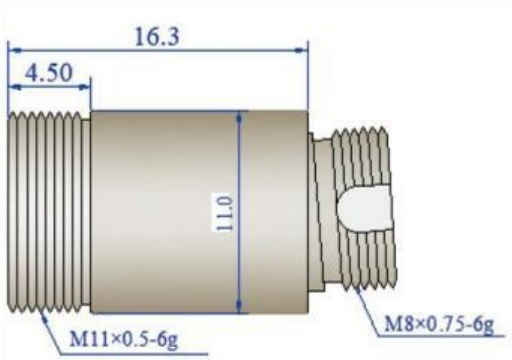
Focal length is not sensitive to wavelength, and the collimator has rich wavelengths、Light output angle < 0.3 °、Anti-reflection film is coated on each optical surface of the lens group to minimize surface reflection 、Aberration-free design, good achromatic collimation effect、 Non-magnetic material shell can be customized

Parameters

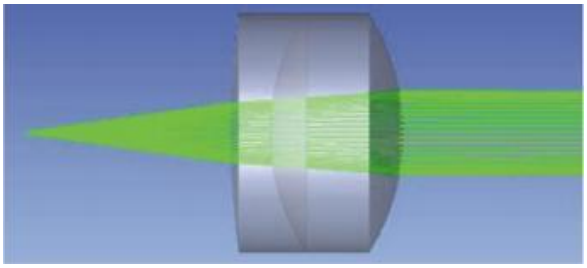
General Parameters

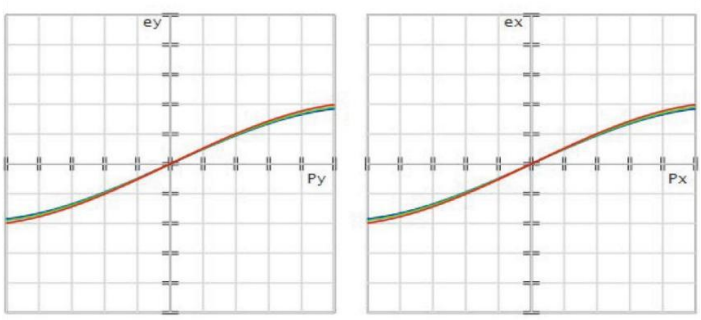


A Type



B Type





phasic variation curve with wavelength

405nm Single Mode Fiber Achromatic Collimator									
Center wavelength	Lens coating wavelength	Waist spot	Beam divergence	Effective focal length	Numerical aperture (lens)	Package diameter	Connectors	Access fiber type	Transmittance
405nm	400-700nm	0.97mm	0.062°	4.06mm	0.61	11mm	FC/PC	405-HP	>95%
405nm	400-700nm	0.97mm	0.062°	4.06mm	0.61	11mm	FC/APC		
405nm	400-700nm	2.1mm	0.03°	10.05mm	0.37	11mm	FC/PC		
405nm	400-700nm	2.1mm	0.03°	10.05mm	0.37	11mm	FC/APC		
405nm	400~700nm	3.7mm	0.021°	15.96mm	0.25	11mm	FC/PC		
405nm	400-700nm	3.7mm	0.021°	15.96mm	0.25	11mm	FC/APC		
405nm	400-700nm	4.9mm	0.015°	19.95mm	0.2	11mm	FC/PC		
405nm	400-700nm	4.9mm	0.015°	19.95mm	0.2	11mm	FC/APC		
450nm Single Mode Fiber Achromatic Collimator									
Center wavelength	Lens coating wavelength	Waist spot	Beam divergence	Effective focal length	Numerical aperture (lens)	Package diameter	Connectors	Access fiber type	Transmittance
450nm	400-700nm	0.96mm	0.06°	4.1mm	0.6	11mm	FC/PC	460HP	>95%
450nm	400-700nm	0.96mm	0.06°	4.1mm	0.6	11mm	FC/APC		
450nm	400-700nm	2.1mm	0.028°	10.07mm	0.37	11mm	FC/PC		
450nm	400~700nm	2.1mm	0.028°	10.07mm	0.37	11mm	FC/APC		

450nm	400~700nm	3.6mm	0.020°	15.98mm	0.25	11mm	FC/PC		
450nm	400~700nm	3.6mm	0.020°	15.98mm	0.25	11mm	FC/APC		
450nm	400-700nm	4.7mm	0.014°	19.96mm	0.2	11mm	FC/PC		
450nm	400-700nm	4.7mm	0.014°	19.96mm	0.2	11mm	FC/APC		
520nm Single Mode Fiber Achromatic Collimator									
Center wavelength	Lens coating wavelength	Waist spot	Beam divergence	Effective focal length	Numerical aperture (lens)	Package diameter	Connectors	Access fiber type	Transmittance
520nm	400-700nm	0.92mm	0.059°	4.15mm	0.6	11mm	FC/PC	460HP	>95%
520nm	400~700nm	0.92mm	0.059°	4.15mm	0.6	11mm	FC/APC		
520nm	400~700nm	2.04mm	0.025°	10.09mm	0.37	11mm	FC/APC		
520nm	400-700nm	2.04mm	0.025°	10.09mm	0.37	11mm	FC/APC		
520nm	400~700nm	3.2mm	0.019°	15.98mm	0.25	11mm	FC/PC		
520nm	400-700nm	3.2mm	0.019°	15.98mm	0.25	11mm	FC/APC		
520nm	400-700nm	4.3mm	0.014°	19.97mm	0.2	11mm	FC/PC		
520nm	400~700nm	4.3mm	0.014°	19.97mm	0.2	11mm	FC/APC		
635nm Single Mode Fiber Achromatic Collimator									
Center wavelength	Lens coating wavelength	Waist spot	Beam divergence	Effective focal length	Numerical aperture (lens)	Package diameter	Connectors	Access fiber type	Transmittance

635nm	400~700nm	0.87mm	0.056°	4.2mm	0.58	11mm	FC/PC	630HP	
635nm	400-700nm	0.87mm	0.056°	4.2mm	0.58	11mm	FC/APC		
635nm	400-700nm	2.0mm	0.024°	10.13mm	0.37	11mm	FC/PC		
635nm	400-700nm	2.0mm	0.024°	10.13mm	0.37	11mm	FC/APC		
635nm	400~700nm	3.12mm	0.019°	16.01mm	0.25	11mm	F/CPC		
635nm	400~700nm	3.12mm	0.019°	16.01mm	0.25	11mm	FC/APC		
635nm	400-700nm	3.95mm	0.014°	20mm	0.2	11mm	FC/PC		
635nm	400-700nm	3.95mm	0.014°	20mm	0.2	11mm	FC/APC		
780nm Single Mode Fiber Achromatic Collimator									
Center wavelength	Lens coating wavelength	Waist spot	Beam divergence	Effective focal length	Numerical aperture (lens)	Package diameter	Connectors	Access fiber type	Transmittance
780nm	650~1100nm	1.95mm	0.031°	10.04mm	0.37	11mm	FC/PC	780HP	>95%
780nm	650~1100nm	1.95mm	0.031°	10.04mm	0.37	11mm	FC/APC		
780nm	650~1100nm	3.49mm	0.02°	16mm	0.24	11mm	FC/PC		
780nm	650~1100nm	3.49mm	0.02°	16mm	0.24	11mm	FC/APC		
780nm	650~1100nm	4.4mm	0.015°	20.03mm	0.2	11mm	FC/PC		
780nm	650~1100nm	4.4mm	0.015°	20.03mm	0.2	11mm	FC/APC		
850nm Single Mode Fiber Achromatic Collimator									

Center wavelength	Lens coating wavelength	Waist spot	Beam divergence	Effective focal length	Numerical aperture (lens)	Package diameter	Connectors	Access fiber type	Transmittance
850nm	650~1100nm	2.0m	0.030°	10.05mm	0.37	11mm	FC/PC	780HP	>95%
850nm	650~1100nm	2.0mm	0.030°	10.05mm	0.37	11mm	FC/APC		
850nm	650~1100nm	3.47mm	0.020°	16.01mm	0.24	11mm	FC/PC		
850nm	650~1100nm	3.47mm	0.020°	16.01mm	0.24	11mm	FC/APC		
850nm	650~1100nm	4.33mm	0.016°	20.03mm	0.2	11mm	FC/PC		
850nm	650~1100nm	4.33mm	0.016°	20.03mm	0.2	11mm	FC/APC		
980nm Single Mode Fiber Achromatic Collimator									
Center wavelength	Lens coating wavelength	Waist spot	Beam divergence	Effective focal length	Numerical aperture (lens)	Package diameter	Connectors	Access fiber type	Transmittance
980nm	650~1100nm	1.95mm	0.035°	10.07mm	0.37	11mm	FC/PC	980HP	>95%
980nm	650~1100nm	1.95mm	0.035°	10.07mm	0.37	11mm	FC/APC		
980nm	650~1100nm	3.39mm	0.024°	16.03mm	0.24	11mm	FC/PC		
980nm	650~1100nm	3.39mm	0.024°	16.03mm	0.24	11mm	FC/APC		
980nm	650~1100nm	4.23mm	0.018°	20.05mm	0.2	11mm	FC/PC		
980nm	650~1100nm	4.23mm	0.018°	20.05mm	0.2	11mm	FC/APC		
1064nm Single Mode Fiber Achromatic Collimator									

Center wavelength	Lens coating wavelength	Waist spot	Beam divergence	Effective focal length	Numerical aperture (lens)	Package diameter	Connectors	Access fiber type	Transmittance
1064nm	650~1100nm	1.9mm	0.038°	10.03mm	0.37	11mm	FC/PC	HI1060	>95%
1064nm	650~1100nm	1.9mm	0.038°	10.03mm	0.37	11mm	FC/APC		
1064nm	650~1100nm	3.51mm	0.032°	15.97mm	0.24	11mm	FC/PC		
1064nm	650~1100nm	3.51mm	0.032°	15.97mm	0.24	11mm	FC/APC		
1064nm	650~1100nm	4.39mm	0.026°	19.97mm	0.2	11mm	FC/PC		
1064nm	650~1100nm	4.39mm	0.026°	19.97mm	0.2	11mm	FC/APC		
1310nm Single Mode Fiber Achromatic Collimator									
Center wavelength	Lens coating wavelength	Waist spot	Beam divergence	Effective focal length	Numerical aperture (lens)	Package diameter	Connectors	Access fiber type	Transmittance
1310nm	1050~1700nm	1.85mm	0.053°	10.07mm	0.37	11mm	FC/PC	smf-28	>95%
1310nm	1050~1700nm	1.85mm	0.053°	10.07mm	0.37	11mm	FC/APC		
1310nm	1050~1700nm	2.91mm	0.036°	16.01mm	0.24	11mm	FC/PC		
1310nm	1050~1700nm	2.91mm	0.036°	16.01mm	0.24	11mm	FC/APC		
1310nm	1050~1700nm	3.62mm	0.028°	20.0mm	0.2	11mm	FC/PC		
1310nm	1050~1700nm	3.62mm	0.028°	20.0mm	0.2	11mm	FC/APC		
1550nm Single Mode Fiber Achromatic Collimator									

Center wavelength	Lens coating wavelength	Waist spot	Beam divergence	Effective focal length	Numerical aperture (lens)	Package diameter	Connectors	Access fiber type	Transmittance
1550nm	1050~1700nm	1.85mm	0.06°	10.11mm	0.37	11mm	FC/PC	smf-28	>95%
1550nm	1050~1700nm	1.85mm	0.06°	10.11mm	0.37	11mm	FC/APC		
1550nm	1050~1700nm	3.14mm	0.039°	16.08mm	0.24	11mm	FC/PC		
1550nm	1050~1700nm	3.14mm	0.039°	16.08mm	0.24	11mm	FC/APC		
1550nm	1050~1700nm	3.92mm	0.031°	20.07mm	0.2	11mm	FC/PC		
1550nm	1050~1700nm	3.92mm	0.031°	20.07mm	0.2	11mm	FC/APC		
1654nm Single Mode Fiber Achromatic Collimator									
Center wavelength	Lens coating wavelength	Waist spot	Beam divergence	Effective focal length	Numerical aperture (lens)	Package diameter	Connectors	Access fiber type	Transmittance
1654nm	1050~1700nm	2.05mm	0.06°	10.14mm	0.37	11mm	FC/PC	smf-28	>95%
1654nm	1050~1700nm	2.05mm	0.06°	10.14mm	0.37	11mm	FC/APC		
1654nm	1050~1700nm	3.2mm	0.036°	16.15mm	0.24	11mm	FC/PC		
1654nm	1050~1700nm	3.2mm	0.036°	16.15mm	0.24	11mm	FC/APC		
1654nm	1050~1700nm	3.98mm	0.029°	20.12mm	0.2	11mm	FC/PC		
1654nm	1050~1700nm	3.98mm	0.029°	20.12mm	0.2	11mm	FC/APC		

3D modeling drawing preview