

Multimode Fiber Chromatic Aberration Collimator 1550nm (Beam Waist Spot Diameter 4mm)



● Product Description

It is composed of a group of large numerical aperture lens systems, suitable for multimode fibers with larger numerical apertures. This system can reshape the beam emitted from the multimode fiber, or couple a collimated beam into the multimode fiber, ensuring good collimation and beam shape over long distances.

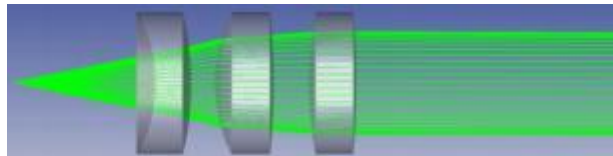
● Part Number

NIR-CLM-1550-4-0.2-FP

● Product features

Achromatic processing, focal length is not sensitive to wavelength, collimator has rich wavelengths、 Large numerical aperture design、 Can be used for collimation or coupling、 Non-magnetic stainless steel housing

● Dimensional Drawing



Parameters

635nm Multimode Fiber Chromatic Aberration

Collimator

Center Wavelength	Lens Coating Wavelength	Waist Spot Diameter	Beam Divergence Angle	Effective Focal Length	Numerical Aperture (Lens)	Packaging Diameter	Fiber Type Input	Connector	Transmission Efficiency
635nm	400~700nm	4mm	0.2 °	10mm	0.37	φ 11mm	62.5/125	FC/PC Sma	>90%
		10mm	1.0 °	25mm	0.25	Φ 15mm	105/125	905	

780nm Multimode Fiber Chromatic Aberration

Collimator

Center Wavelength	Lens Coating Wavelength	Waist Spot Diameter	Beam Divergence Angle	Effective Focal Length	Numerical Aperture (Lens)	Packaging Diameter	Fiber Type Input	Connector	Transmission Efficiency
780nm	700~ 1100nm	4mm	0.2 °	10mm	0.37	φ 11mm	62.5/125	FC/PC Sma	>90%
		10mm	1.0 °	25mm	0.25	Φ 15mm	105/125	905	

850nm Multimode Fiber Chromatic Aberration

Collimator

Center Wavelength	Lens Coating Wavelength	Waist Spot Diameter	Beam Divergence Angle	Effective Focal Length	Numerical Aperture (Lens)	Packaging Diameter	Fiber Type Input	Connector	Transmission Efficiency
850nm	700~ 1100nm	4mm	0.2 °	10mm	0.37	φ 11mm	62.5/125	FC/PC Sma	>90%
		10mm	1.0 °	25mm	0.25	Φ 15mm	105/125	905	

905nm Multimode Fiber Chromatic Aberration

Collimator

Center Wavelength	Lens Coating Wavelength	Waist Spot Diameter	Beam Divergence Angle	Effective Focal Length	Numerical Aperture (Lens)	Packaging Diameter	Fiber Type Input	Connector	Transmission Efficiency
905nm	700~ 1100nm	4mm	0.2 °	10mm	0.37	φ 11mm	62.5/125	FC/PC Sma	>90%
		10mm	1.0 °	25mm	0.25	Φ 15mm	105/125	905	

1064nm Multimode Fiber Chromatic Aberration

Collimator

Center Wavelength	Lens Coating Wavelength	Waist Spot Diameter	Beam Divergence Angle	Effective Focal Length	Numerical Aperture (Lens)	Packaging Diameter	Fiber Type Input	Connector	Transmission Efficiency
1064nm	1050~1700nm	4mm	0.2 °	10mm	0.37	φ 11mm	62.5/125	FC/PC Sma	>90%
		10mm	1.0 °	25mm	0.25	φ 15mm	105/125	905	

1310nm Multimode Fiber Chromatic Aberration

Collimator

Center Wavelength	Lens Coating Wavelength	Waist Spot Diameter	Beam Divergence Angle	Effective Focal Length	Numerical Aperture (Lens)	Packaging Diameter	Fiber Type Input	Connector	Transmission Efficiency
1310nm	1050~1700nm	4mm	0.2 °	10mm	0.37	φ 11mm	62.5/125	FC/PC Sma	>90%
		10mm	1.0 °	25mm	0.25	Φ 15mm	105/125	905	

1550nm Multimode Fiber Chromatic Aberration Collimator

Center Wavelength	Lens Coating Wavelength	Waist Spot Diameter	Beam Divergence Angle	Effective Focal Length	Numerical Aperture (Lens)	Packaging Diameter	Fiber Type Input	Connector	Transmission Efficiency
1550nm	1050~1700nm	4mm	0.2 °	10mm	0.37	φ 11mm	62.5/125	FC/PC Sma	>90%
		10mm	1.0 °	25mm	0.25	Φ 15mm	105/125	905	