

Fixed Focus Large Beam Collimator 1550nm



● Product Description

Using air-gap cemented lenses, it can provide superior collimation performance compared to aspherical lenses and achromatic lenses. The low aberration lens group design achieves a beam closer to a Gaussian beam, with a smaller divergence angle and reduced wavefront error.

- **Product features**

Multiple working wavelengths available 、 Can be used for collimated emission or coupled reception、 Beam divergence angle (full angle) < 0.02°、 All lenses are coated with anti-reflection coating to minimize surface reflection、 Standard FC/APC, FC/PC, SMA connectors

- **Part Number**

MP-CLM-1550-6.9-SMA

- **Application area**

Fiber optic communication | Lidar | Industrial laser processing | National defense and aerospace | Research platform

- **Core parameters**

Center Wavelength	NA
1550nm	0.24

- **General Parameters**

Technical Parameters

Center Wavelength	Lens Coating Wavelength	Waist Spot Size	Beam Divergence Angle	Effective Focal Length	Numerical Aperture (Lens)	Packaging Diameter	Input Fiber Type	Connector	Transmission Rate
405nm	400-700nm	5.3mm	0.009°	33.2mm	0.27	24.×42	S405-HP	FC/PC FC/APC SMA905	>95%
450nm	400-700nm	5.8mm	0.007°	33.5mm	0.26	24.×42	460HP		
525nm	400-700nm	6.3mm	0.006°	34.3mm	0.26	24.×42	460HP		
635nm	400-700nm	7.0mm	0.007°	35.3mm	0.25	24.×42	630HP		
780nm	700-1050nm	7.4mm	0.008°	36.0mm	0.25	24.×42	780HIP		
850nm	700-1050nm	7.8mm	0.008°	36.2mm	0.25	24.×42	780HP		



980nm	700-1050nm	8.5mm	0.009°	36.4mm	0.25	24.×42	980HP		
1064nm	1050-1700nm	7.9mm	0.010°	36.6mm	0.25	24.×42	980HP		
1310nm	1050-1700nm	6.6mm	0.014°	36.7mm	0.24	24.×42	SMF-28e		
1550nm	1050-1700nm	6.9mm	0.016°	37.1mm	0.24	24.×42	SMF-28e		