

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) $< 0.02^\circ$ 、



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	Waist Spot	Beam Divergence Angle	Effective Focal Length	Numerical Aperture (Lens)	Package Diameter	Input Fiber Type	Connector	Transmission Rate



405nm	400-700 nm	5.3 mm	0.009°	33.2 mm	0.27	24.× 42	S405 -HP	FC/PC FC/AP C SMA905	>95%
450nm	400-700 nm	5.8 mm	0.007°	33.5 mm	0.26	24.× 42	460H P		
525nm	400-700 nm	6.3 mm	0.006°	34.3 mm	0.26	24.× 42	460H P		
635nm	400-700 nm	7.0 mm	0.007°	35.3 mm	0.25	24.× 42	630H P		
780nm	700-105 0nm	7.4 mm	0.008°	36.0 mm	0.25	24.× 42	780H IP		
850nm	700-105 0nm	7.8 mm	0.008°	36.2 mm	0.25	24.× 42	780H P		
980nm	700-105 0nm	8.5 mm	0.009°	36.4m m	0.25	24.× 42	980H P		
1064nm	1050-17 00nm	7.9 mm	0.010°	36.6 mm	0.25	24.× 42	980H P		
1310nm	1050-17 00nm	6.6 mm	0.014°	36.7 mm	0.24	24.× 42	SMF- 28e		
1550nm	1050-17 00nm	6.9 mm	0.016°	37.1 mm	0.24	24.× 42	SMF- 28e		