

# Aspherical Lens Pigtailed Fiber Collimators

Aspherical lens can correct spherical aberration. Energy of the laser has a Gaussian distribution and beam is well collimated. But it can't correct chromatic aberration, because the focal length is related to wavelength of laser.



## 400~650nm Aspherical Lens Pigtailed Fiber Collimators

Wavelength (nm)	Bandwidth (nm)	Waist Beam (mm)	Divergence Angle	EFL (mm)	N.A.	Package Dia. (mm)	Transmittance	Fiber Type	Connector
405	±5	0.85	0.06°+0.01°	0.25	4.45	Ø9.0	>90%	405HP	FC/PC FC/APC
405	±5	2.01	0.02°+0.01°	0.25	10.67	Ø9.0			
405	±5	3.6	0.015°+0.01°	0.15	17.71	Ø9.0			
450	±5	0.82	0.05°+0.01°	0.25	4.5	Ø9.0		460HP	
450	±5	2	0.02°+0.01°	0.24	10.77	Ø9.0			
450	±5	3	0.015°+0.01°	0.15	17.88	Ø9.0			
525	±5	0.84	0.05°+0.01°	0.25	4.55	Ø9.0			
525	±5	2.1	0.02°+0.01°	0.24	10.87	Ø9.0			
525	±5	3.2	0.015°+0.01°	0.15	18.02	Ø9.0			
635	±5	0.86	0.05°+0.01°	0.24	4.59	Ø9.0		630HP	
635	±5	2.06	0.02°+0.01°	0.24	10.96	Ø9.0			
635	±5	3.5	0.015°+0.01°	0.15	18.14	Ø9.0			

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## 780~1064nm Aspherical Lens Pigtailed Fiber Collimators

Wavelength (nm)	Bandwidth (nm)	Waist Beam (mm)	Divergence Angle	EFL (mm)	N.A.	Package Dia. (mm)	Transmittance	Fiber Type	Connector
780	±5	1	0.06°+0.01°	0.24	4.63	Ø9.0	>90%	780HP	FC/PC FC/APC
780	±5	2.4	0.026°+0.01°	0.24	11.06	Ø9.0			
780	±5	4	0.01 +0.01°	0.15	18.33	Ø9.0			
850	±5	1	0.06°+0.01°	0.24	4.64	Ø9.0			
850	±5	2.41	0.03°+0.01°	0.24	11.1	Ø9.0			
850	±5	3.9	0.02°+0.01°	0.15	18.45	Ø9.0			
980	±5	1	0.07°+0.01°	0.24	4.66	Ø9.0		Hi1060	
980	±5	2.4	0.03°+0.01°	0.24	11.16	Ø9.0			
980	±5	4	0.02° +0.01°	0.15	18.52	Ø9.0			
1064	±5	1	0.08°+0.01°	0.24	4.67	Ø9.0			
1064	±5	2.4	0.032°+0.01°	0.24	11.18	Ø9.0			
1064	±5	4.05	0.02° +0.01°	0.15	18.58	Ø9.0			

## 1200~1700nm Aspherical Lens Pigtailed Fiber Collimators

Wavelength (nm)	Bandwidth (nm)	Waist Beam (mm)	Divergence Angle	EFL (mm)	N.A.	Package Dia. (mm)	Transmittance	Fiber Type	Connector
1310	±5	0.84	0.11°+0.01°	0.24	4.7	Ø9.0	>90%	Smf-28e	FC/PC FC/APC
1310	±5	2.04	0.047° +0.01°	0.23	11.25	Ø9.0			
1310	±5	3.35	0.029°+0.01°	0.15	18.67	Ø9.0			
1550	±5	0.87	0.11°+0.01°	0.24	4.74	Ø9.0			
1550	±5	2.1	0.053°+0.01°	0.23	11.31	Ø9.0			
1550	±5	3.5	0.032°+0.01°	0.15	18.75	Ø9.0			