

SMA Fixed Fiber Collimation Packages

Passive Components

Collimation Packages

FiberBench

Optical Switches

Rackbox Systems

Connectors/
Termination Tools

Single Mode Fiber

Rare Earth Doped

Polarization
Maintaining Fiber

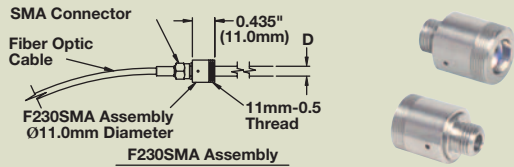
Photonic
Crystal Fiber

Multimode Fiber:
Graded Index

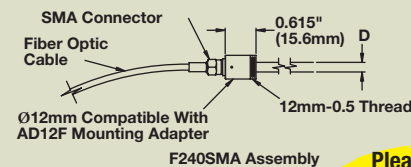
Multimode Fiber:
Step Index

Plastic Optical Fiber

Aspheric Collimator 4.5mm EFL

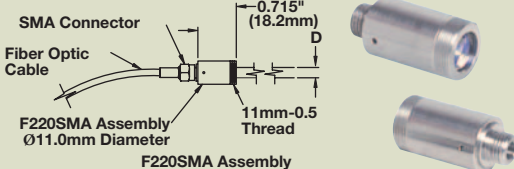


Aspheric Collimator 8mm EFL

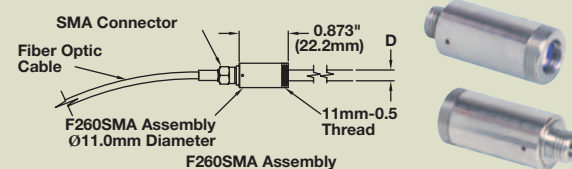


Please Note
12mm Diameter

Aspheric Collimator 11mm EFL



Aspheric Collimator 15.29mm EFL



SMA Connectorized Collimation Packages

ITEM#	\$	£	€	RMB	AR COATING ¹	D ²	θ ³	NA _{LENS}	F (mm)
F230SMA-A	\$ 137.00	£ 86.30	€ 127,40	¥ 1,308.40	400-600nm	0.9mm	0.045°	0.55	4.5
F230SMA-B	\$ 137.00	£ 86.30	€ 127,40	¥ 1,308.40	600-1050nm	0.9mm	0.051°	0.55	4.5
F230SMA-C	\$ 137.00	£ 86.30	€ 127,40	¥ 1,308.40	1050-1600nm	0.8mm	0.118°	0.55	4.5
F240SMA-A	\$ 144.20	£ 90.80	€ 134,10	¥ 1,377.10	400-600nm	1.6mm	0.025°	0.50	8.0
F240SMA-B	\$ 144.20	£ 90.80	€ 134,10	¥ 1,377.10	600-1050nm	1.6mm	0.029°	0.50	8.0
F240SMA-C	\$ 144.20	£ 90.80	€ 134,10	¥ 1,377.10	1050-1600nm	1.4mm	0.067°	0.50	8.0
F220SMA-A	\$ 130.80	£ 82.40	€ 121,60	¥ 1,249.10	400-600nm	2.2mm	0.018°	0.25	11.0
F220SMA-B	\$ 130.80	£ 82.40	€ 121,60	¥ 1,249.10	600-1050nm	2.2mm	0.021°	0.25	11.0
F220SMA-C	\$ 130.80	£ 82.40	€ 121,60	¥ 1,249.10	1050-1600nm	2.0mm	0.048°	0.25	11.0
F260SMA-A	\$ 126.70	£ 79.80	€ 117,80	¥ 1,210.00	400-600nm	3.0mm	0.013°	0.16	15.3
F260SMA-B	\$ 126.70	£ 79.80	€ 117,80	¥ 1,210.00	600-1050nm	3.1mm	0.015°	0.16	15.3
F260SMA-C	\$ 126.70	£ 79.80	€ 117,80	¥ 1,210.00	1050-1600nm	2.7mm	0.035°	0.16	15.3

- 1) See data on AR Coatings at www.thorlabs.com
- 2) Measured 1/e² diameter at 1 focal length from lens; fibers: 460HP (-A), SM600 (-B), SMF-28e (-C and -1550)
- 3) Calculated full angle of divergence; fibers: 460HP (-A), SM600 (-B), SMF-28e (-C and -1550)

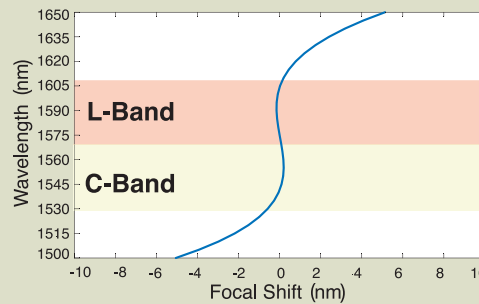
P/N SUFFIX	ALIGNMENT WAVELENGTH	ALIGNMENT FIBER ¹
-A	543nm	460HP
-B	633nm	SM600
-C	1310nm	SMF-28e

1) Fiber not included

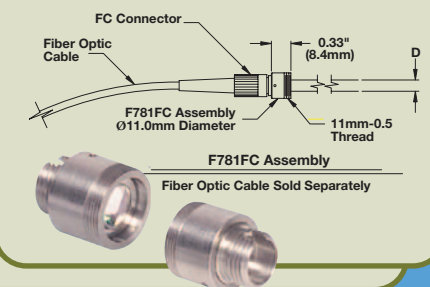
Diffraction-Aspheric Fixed Fiber Collimator

This collimator uses an achromatic lens that is custom designed by Thorlabs to incorporate diffractive components along with the refractive, aspheric properties to keep the chromatic aberrations minimized over the entire C- and L-bands (ie. 1500-1650nm). It is diffraction limited and the focal shift is 10nm over the whole range.

- Diffraction-Limited Achromatic Collimating Lens
- Wide Wavelength Band 1500-1650nm with Extremely Low Focal Shift <0.010µm
- One Single Element Design
- Popular FC/PC Connector Interface



Diffraction-Aspheric Collimator



ITEM#	\$	£	€	RMB	AR COATING ¹	D ²	θ ³	NA _{LENS}	F (mm)
F781FC-1550	\$ 197.80	£ 124.60	€ 184,00	¥ 1,889.00	1500-1650nm	0.86mm	0.13°	0.55	4.55

- 1) See data on AR Coatings at www.thorlabs.com
- 2) Calculated 1/e² diameter at 1 focal length from lens; fiber: SMF-28e
- 3) Calculated beam full angle of divergence; fiber: SMF-28e

Fixed Focus Lens Adapter



- Allows Aspheric Cells (Ø9mm) to be Mounted With Collimation Packages (Ø11mm)
- Allows Collimation Packages to be Integrated With SM05 Threaded Components (With or Without an Aspheric Lens)
- Mounted Aspheric Lens Oriented to Minimize Aberrations

Fiber Collimator and Aspheric Lens Sold Separately

ITEM#	\$	£	€	RMB	DESCRIPTION
AD1109F	\$ 29.00	£ 18.25	€ 27,00	¥ 277.00	Focus Lens Adapter

