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LightPath 355110 | 1310nm Alignment, 0.40 NA Fiber Collimator w/ FC/PC Connector

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Fiber Optic Collimator and Focuser Assemblies

Stock **#64-775** CLEARANCE **20+ In Stock**

- 1 + **C$176**.93

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Qty 1+	**C$176.93** each
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General

Lightpath Lens Code:	355110
Type:	Fiber Collimator
Lens Included:	#87-127

Physical & Mechanical Properties

Clear Aperture CA (mm):
5.00

Bevel:
Protective as needed

Construction:
304L Stainless Steel Housing

Housing Diameter (mm):
11.00

Housing Length (mm):
13.00

Optical Properties

Effective Focal Length EFL (mm):
6.24 @ 780nm

Numerical Aperture NA:
0.40

Substrate:
D-ZLaF52LA

Coating:
BBAR (1050-1600nm)

Coating Specification:
R_{abs} <1.0% @ 1050 - 1600nm

Surface Quality:
40-20

f/#:
1.25

Abbe Number (v_d):
40.99

Index of Refraction (n_d):
1.806

Wavelength Range (nm):
1050 - 1600

Conjugate Distance:
Infinite

Focal Length Specification Wavelength (nm):
780.00

Alignment Wavelength (nm):
1310

Transmitted Wavefront Error (λ, RMS):
< 0.070

Hardware & Interface Connectivity

Connector:
FC/PC

Threading & Mounting

Mount:
M11 x 0.5

Material Properties

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
6.9

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

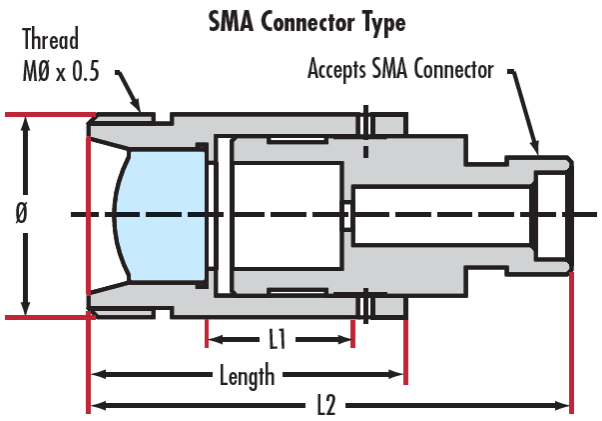
Reach 233:
Compliant

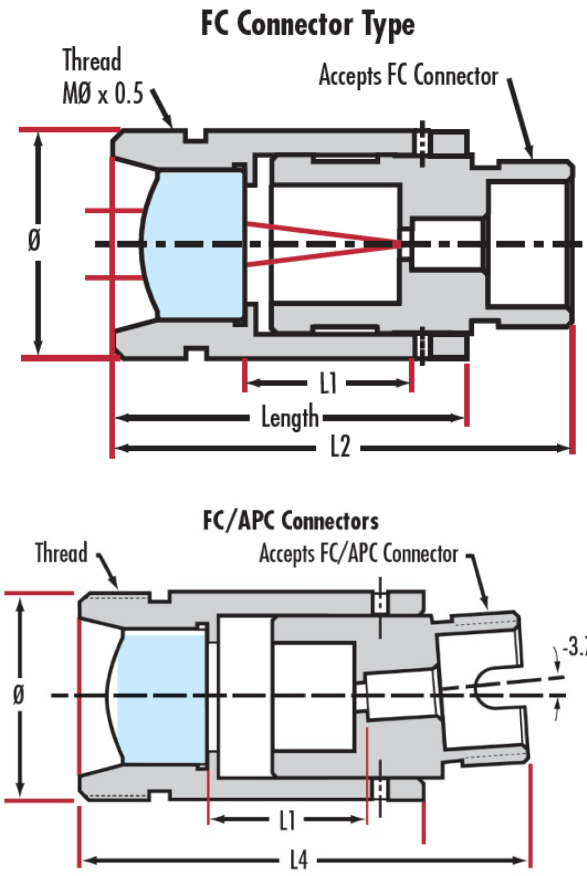
Product Details

- Easy to Integrate
- Models for FC/PC, FC/APC, and SMA Connections Available
- Four Wavelength Ranges Covering 350-1600nm

LightPath® Fiber Optic Collimators are designed to collimate light exiting a fiber to a desired beam diameter or spot size or to focus light into a fiber when used in reverse. The lenses are diffraction limited, so they can achieve spot sizes down to a few microns. Lenses also feature an antireflection coating for low back reflection. LightPath® Fiber Optic Collimators are designed so that they can be used in pairs to couple the input and output light of optical devices. Optimum performance for long-term use is ensured by the factory set and tested lens alignment. Typical applications can include use with fiber coupled lasers and pigtailed receptacles, as well as communications and data transfer.

Technical Information





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