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LightPath 354220 | 543nm Alignment, 0.25 NA Fiber Collimator w/ SMA Connector

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Fiber Optic Collimator and Focuser Assemblies



Stock **#47-221** **5 In Stock**

⊖ 1 ⊕ **A\$371²⁰**

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Volume Pricing

Qty 1-10	A\$371.20 each
Qty 11-25	A\$328.00 each
Qty 26-49	A\$308.80 each
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Product Downloads

General

354220 **Lightpath Lens Code:**
Fiber Collimator **Type:**

#87-117

Lens Included:

Physical & Mechanical Properties

5.50 **Clear Aperture CA (mm):**
Bevel:
Protective as needed

304L Stainless Steel Housing **Construction:**

11.00 **Housing Diameter (mm):**

17.1 **Housing Length (mm):**

Optical Properties

11.00 @ 633nm **Effective Focal Length EFL (mm):**

0.25 **Numerical Aperture NA:**

Substrate:
D-ZK3

BBAR (350-700nm) **Coating:**

$R_{avg} \leq 0.5\%$ @ 350 - 700nm **Coating Specification:**

40-20 **Surface Quality:**

2.00 **f#:**

61.16 **Abbe Number (v_d):**

1.586 **Index of Refraction (n_d):**

350 - 700 **Wavelength Range (nm):**

Infinite **Conjugate Distance:**

633.00 **Focal Length Specification Wavelength (nm):**

543 **Alignment Wavelength (nm):**

< 0.040 **Transmitted Wavefront Error (λ , RMS):**

Hardware & Interface Connectivity

SMA **Connector:**

Threading & Mounting

M11 x 0.5 **Mount:**

Material Properties

7.6 **Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):**

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
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

