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12mm, 0.59mm Focal Length, Fast Axis Collimator



Fast Axis Collimators

Stock **#87-351** **8 In Stock**

-

1

+

£168⁰⁰

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Volume Pricing	
Qty 1-10	£168.00 each
Qty 11-49	£151.20 each
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Product Downloads

General

Beam Shaping Lens

Type:

Physical & Mechanical Properties

11.0 x 0.9

Clear Aperture CA (mm):

1.00

Height (mm):

±0.05	Height Tolerance (mm):
12.00	Length (mm):
±0.05	Length Tolerance (mm):
0.80	Width (mm):
±0.01	Width Tolerance (mm):

Optical Properties	
0.59	Effective Focal Length EFL (mm):
S-TiH53	Substrate: ☐
0.63	f/#:
0.80	Numerical Aperture NA:
BBAR (790-990nm)	Coating:
790 - 990	Wavelength Range (nm):
0.15	Back Focal Length BFL (mm):
R _{avg} <1.0% @ 790 - 990nm	Coating Specification:
λ/4	Surface Accuracy:
>99	Transmission (%):

Electrical	
within ±1.1: >85	Power Distribution (%):

Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 197:
View	Certificate of Conformance:

Product Details

- Aspheric Cylindrical Lens Designs for Fast Axis Collimation
- Standard AR Coating for 790 – 990nm
- Ideal for Laser Diode Collimation
- Slow Axis Collimators Also Available

Fast Axis Collimators are compact, high performance aspheric cylindrical lenses designed for beam shaping or laser diode collimation applications. The aspheric cylindrical designs and high numerical apertures allow for uniform collimation of the entire output of a laser diode while maintaining high beam quality. Fast Axis Collimators feature greater than 99% transmission across the designated spectral range, and are available in a variety of focal lengths.

