

# 12mm, 0.59mm Focal Length, Fast Axis Collimator



Fast Axis Collimators

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

-

1

+

S\$294<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | S\$294.00 each                |
| Qty 11-49      | S\$264.60 each                |
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Product Downloads

General

Beam Shaping Lens

Type:

Physical & Mechanical Properties

11.0 x0.9

Clear Aperture CA (mm):

1.00

Height (mm):

Height Tolerance (mm):

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

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

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

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

## 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.

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