

**TECHSPEC® 5X, 532nm Scorpii® Nd:YAG Beam Expander**



5X, 532nm LChT Fixed YAG Beam Expander, #37-056

Stock **#37-056** **5 In Stock**

⊖ 1 ⊕ **S\$288<sup>00</sup>**

**ADD TO CART**

| Volume Pricing |                               |
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| Qty 1-9        | <b>S\$288.40</b> each         |
| Qty 10-24      | <b>S\$259.00</b> each         |
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**SPECIFICATIONS**

**General**

Beam Expander

Type:

Style:

Fixed Magnification

## Physical & Mechanical Properties

51.90 Length (mm):

91 Weight (g):

29.95 Housing Diameter (mm):

## Optical Properties

0 Angle of Incidence (°):

MS 0° (425-675nm) Coating:

532 Design Wavelength DWL (nm):

3.5 Entrance Aperture (mm):

10 Exit Aperture (mm):

5X Expansion Power:

Optical Glass Substrate:

>98 (nominal) Transmission (%):

<N4 @ 532nm for Input Beam ≤1.5mm (by design) Transmitted Wavefront, P-V:

R<sub>avg</sub> ≤0.4% @ 425 - 675nm Coating Specification:

532 Wavelength Range (nm):

None Divergence Adjustment:

## Threading & Mounting

M22 x 0.75 Mounting Threads:

## Regulatory Compliance

Compliant RoHS 2015:

View Certificate of Conformance:

## PRODUCT DETAILS

- AR Coated for Nd:YAG Laser Wavelengths: 355nm, 532nm, and 1064nm
- Fixed Magnifications Available from 2X to 10X
- Designed for OEM Integration without Divergence Adjustment

TECHSPEC® Scorpii® Nd:YAG Beam Expanders are designed for beam expansion applications such as laser engraving and material processing. These beam expanders feature AR coatings and high transmissions. AR coated for the Nd:YAG laser wavelengths 355nm, 532nm, and 1064nm, these beam expanders are available in multiple fixed magnifications from 2X to 10X with M22 x 0.75 threading. TECHSPEC Scorpii Nd:YAG Beam Expanders are a cost-effective solution for system integration. Ideal for OEM quantities, these beam expanders can quickly meet prototyping and application timelines.

TECHSPEC Scorpii® Nd:YAG Beam Expander Kits are also available. For HeNe laser applications, TECHSPEC Arcturus® HeNe Beam Expanders are available. For applications where rotating optics are acceptable, the TECHSPEC Vega® Laser Line Beam Expanders and TECHSPEC Vega® Broadband Beam Expanders are available. For higher precision applications where sliding optics are necessary, please see our TECHSPEC Draconis® Nd:YAG Laser Line Beam Expanders or TECHSPEC Draconis® Broadband Beam Expanders. For broadband or ultrafast applications, TECHSPEC Canopus® Reflective Beam Expanders are available.

532nm versions are compatible with popular 530nm laser applications, and 1064nm versions are ideal for use with laser applications at 1060nm, 1070nm, and 1075nm.



## COATING CURVES

## CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

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