

TECHSPEC® 6X, 532nm ScorpII® Nd:YAG Beam Expander



6X, 532nm LChT Fixed YAG Beam Expander, #37-059

Stock **#37-059** 4 In Stock

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+

C\$288<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | C\$288.40 each                |
| Qty 10-24      | C\$259.00 each                |
| Qty 25-99      | C\$228.20 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |              |
|----------------------------------|--------------|
| Beam Expander                    | Type:        |
| Fixed Magnification              | Style:       |
| Physical & Mechanical Properties |              |
| 63.50                            | Length (mm): |

|                                                |                                     |
|------------------------------------------------|-------------------------------------|
| 92                                             | Weight (g):                         |
| 29.95                                          | Housing Diameter (mm):              |
| Optical Properties                             |                                     |
| 3.5                                            | Entrance Aperture (mm):             |
| 16                                             | Exit Aperture (mm):                 |
| 6X                                             | Expansion Power:                    |
| Optical Glass                                  | Substrate: <input type="checkbox"/> |
| >98 (nominal)                                  | Transmission (%):                   |
| 0                                              | Angle of Incidence (°):             |
| VS 0° (425-675nm)                              | Coating:                            |
| 532                                            | Design Wavelength DWL (nm):         |
| <λ/4 @ 532nm for Input Beam ≤1.5mm (by design) | Transmitted Wavefront, P-V:         |
| 532                                            | Wavelength Range (nm):              |
| R <sub>avg</sub> ≤0.4% @ 425 - 675nm           | Coating Specification:              |
| None                                           | Divergence Adjustment:              |
| Threading & Mounting                           |                                     |
| M22 x0.75                                      | Mounting Threads:                   |
| Regulatory Compliance                          |                                     |
| <a href="#">Compliant</a>                      | RoHS 2015:                          |
| <a href="#">View</a>                           | 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 x0.75 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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