

TECHSPEC® 6X, 1064nm Scorpii® Nd:YAG Beam Expander



6X, 1064nm LCht Fixed YAG Beam Expander, #37-060

Stock **#37-060** 2 In Stock

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+

₹17,100

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | ₹17,100 each                  |
| Qty 10-24      | ₹15,300 each                  |
| Qty 25-99      | ₹13,500 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |              |
|----------------------------------|--------------|
| Beam Expander                    | Type:        |
| Fixed Magnification              | Style:       |
| Physical & Mechanical Properties |              |
| 65.00                            | Length (mm): |

|                                                                                                                        |                                     |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 94                                                                                                                     | 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"/> |
| >96 (nominal)                                                                                                          | Transmission (%):                   |
| 0                                                                                                                      | Angle of Incidence (°):             |
| NIR II (750-1550nm)                                                                                                    | Coating:                            |
| 1064                                                                                                                   | Design Wavelength DWL (nm):         |
| <λ/4 @ 1064nm for Input Beam ≤1.7mm (by design)                                                                        | Transmitted Wavefront, P-V:         |
| 1064                                                                                                                   | Wavelength Range (nm):              |
| R <sub>abs</sub> ≤1.5% @ 750 - 800nm<br>R <sub>abs</sub> ≤1.0% @ 800 - 1550nm<br>R <sub>avg</sub> ≤0.7% @ 750 - 1550nm | Coating Specification:              |
| None                                                                                                                   | Divergence Adjustment:              |
| Threading & Mounting                                                                                                   |                                     |
| M22 x0.75                                                                                                              | Mounting Threads:                   |

|                                     |                             |
|-------------------------------------|-----------------------------|
| Regulatory Compliance               |                             |
| Compliant                           | RoHS 2015:                  |
| View                                | Certificate of Conformance: |
| China                               | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

## 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.



## 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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