

TECHSPEC<sup>®</sup> 10X, 532nm Scorpii<sup>®</sup> Nd:YAG Beam Expander



10X, 532nm LCht Fixed YAG Beam Expander, #37-068

Stock **#37-068** 6 In Stock

-

1

+

€206<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | €206,00 each                  |
| Qty 10-24      | €185,00 each                  |
| Qty 25-99      | €163,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

 Prices shown are exclusive of VAT/local taxes

Product Downloads

| General             |        |
|---------------------|--------|
| Beam Expander       | Type:  |
| Fixed Magnification | Style: |

| Physical & Mechanical Properties |  |
|----------------------------------|--|
| Length (mm):                     |  |

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| 111.60                              |                                                |
| Weight (g):                         | 160                                            |
| Housing Diameter (mm):              | 29.95/39.95                                    |
| Optical Properties                  |                                                |
| Entrance Aperture (mm):             | 3.5                                            |
| Exit Aperture (mm):                 | 27                                             |
| Expansion Power:                    | 10X                                            |
| Substrate: <input type="checkbox"/> | Optical Glass                                  |
| Transmission (%):                   | >98 (nominal)                                  |
| Angle of Incidence (°):             | 0                                              |
| Coating:                            | VS 0° (425-675nm)                              |
| Design Wavelength DWL (nm):         | 532                                            |
| Transmitted Wavefront, P-V:         | <λ/4 @ 532nm for Input Beam ≤1.3mm (by design) |
| Wavelength Range (nm):              | 532                                            |
| Coating Specification:              | R <sub>avg</sub> ≤0.4% @ 425 - 675nm           |
| Divergence Adjustment:              | None                                           |
| Threading & Mounting                |                                                |
| Mounting Threads:                   | M22 x 0.75                                     |
| Regulatory Compliance               |                                                |
| RoHS 2015:                          | <a href="#">Compliant</a>                      |
| Certificate of Conformance:         | <a href="#">View</a>                           |

## 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](#).

---