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TECHSPEC®

3X, 355nm ScorpII® Nd:YAG Beam Expander



3X, 355nm LCht Fixed YAG Beam Expander, #37-049

Stock **#37-049** 4 In Stock

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1

+

A\$329⁰⁰

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Volume Pricing	
Qty 1-9	A\$329.60 each
Qty 10-24	A\$296.00 each
Qty 25-99	A\$260.80 each
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Product Downloads

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

56	Weight (g):
29.95	Housing Diameter (mm):
Optical Properties	
3.7	Entrance Aperture (mm):
12	Exit Aperture (mm):
3X	Expansion Power:
Optical Glass	Substrate: ☐
>91 (nominal)	Transmission (%):
0	Angle of Incidence (°):
MgF ₂ (400-700nm) & MS-EXT (350-700nm)	Coating:
355	Design Wavelength DWL (nm):
<λ/4 @ 355nm for Input Beam ≤2.1mm (by design)	Transmitted Wavefront, P-V:
355	Wavelength Range (nm):
Element 1: R _{avg} ≤1.75% @ 400 - 700nm Element 2: R _{avg} ≤0.5% @ 350 - 700nm	Coating Specification:
None	Divergence Adjustment:
Threading & Mounting	
M22 x0.75	Mounting Threads:
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:

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](#).

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.



