

TECHSPEC®

10X, 355nm Scorpii® Nd:YAG Beam Expander



10X, 355nm LCht Fixed YAG Beam Expander, #37-067

Stock **#37-067** 3 In Stock

-

1

+

£164⁰⁰

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Volume Pricing	
Qty 1-9	£164.80 each
Qty 10-24	£148.00 each
Qty 25-99	£130.40 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Beam Expander

Type:

Fixed Magnification

Style:

Physical & Mechanical Properties

Length (mm):

154.40	
Weight (g):	138
Housing Diameter (mm):	29.95
Optical Properties	
Entrance Aperture (mm):	3.5
Exit Aperture (mm):	22
Expansion Power:	10X
Substrate:	Optical Glass
Transmission (%):	>91 (nominal)
Angle of Incidence (°):	0
Coating:	MgF ₂ (400-700nm) & VIS-EXT (350-700nm)
Design Wavelength DWL (nm):	355
Transmitted Wavefront, P-V:	<λ/4 @ 355nm for Input Beam ≤1.6mm (by design)
Wavelength Range (nm):	355
Coating Specification:	Element 1: R _{avg} ≤1.75% @ 400 - 700nm Element 2: R _{avg} ≤0.5% @ 350 - 700nm
Divergence Adjustment:	None
Threading & Mounting	
Mounting Threads:	M22 x0.75
Regulatory Compliance	
RoHS 2015:	Compliant
Certificate of Conformance:	View

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.



