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TECHSPEC® 3X, 2µm Low OH^- Content Vega® Broadband Beam Expander

3X, 2µm Low OH^- Content Beam Expander, #37-341

Stock **#37-341** **1 In Stock**

- 1 + **MRP ₹75,705**

Price inclusive of all taxes

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Volume Pricing	
Qty 1-9	**₹75,705** each
Qty 10-24	**₹67,293** each
Qty 25-99	**₹59,767** each
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Product Downloads

General

Type:
Beam Expander

Note:
Click here to learn the difference between fused silica 7979 and 7980

Style:
Fixed Magnification

Physical & Mechanical Properties

Length (mm):
83.00

Weight (g):
78

Housing Diameter (mm):
29.95

Optical Properties

Entrance Aperture (mm):
10

Exit Aperture (mm):
23

Expansion Power:
3X

Substrate:
Fused Silica IR Grade

Transmission (%):
>99 (nominal)

Angle of Incidence (°):
0

Coating:
BBAR (1900-2100nm) & Laser V-Coat (1940-1950nm)

Design Wavelength DWL (nm):
Broadband

Transmitted Wavefront, P-V:
<λ/10 for 5.5mm input beam (nominal, λ = DWL)

Wavelength Range (nm):
1900 - 2100

Coating Specification:
R_{avg} <0.1% @ 1940nm - 1950nm
R_{avg} <0.5% @ 1900nm - 2100nm
R_{avg} <0.25% @ 2000nm - 2100nm

Divergence Adjustment:
Rotating Optics

Threading & Mounting

Mounting Threads:
Input: Male M30 x 1

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 251:
Compliant

Country of Origin:
United States

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Product Details

- AR Coated for Broadband Tunable Laser Sources
- Fixed Magnifications Available from 1.5X to 20X
- Divergence Adjustable through Rotating Optical Design

TECHSPEC® Vega® Broadband Beam Expanders are designed for demanding tunable laser sources. These compact beam expanders are optimized at a wide range of wavelengths, with designs achieving λ/10 transmitted wavefront error and no internally focusing ghost images for compatibility with high power lasers. TECHSPEC Vega Broadband Beam Expanders are easily integrated into prototype and advanced applications while maintaining quality across the adjustment range. They are ideal for medical laser applications employing Thulium and Holmium sources.

Note: The length of these beam expanders will change upon divergence adjustment, typically by 1 to 2mm from the specified length.

TECHSPEC Vega® Laser Line Beam Expanders are also available. For more cost sensitive applications, Edmund Optics also offers **TECHSPEC Scorpii® Nd:YAG Beam Expanders**. For HeNe laser applications, **TECHSPEC Arcturus® HeNe 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.

To learn more about the difference between the 2µm and 2µm low OH^- content beam expanders, along with the different types of fused silica, review our **UV vs. IR Grade Fused Silica application note**.

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