

TECHSPEC®

Broadband NIR 2X - 8X Research-Grade Variable Beam Expander



Research-Grade Variable Beam Expanders



Stock #87-570 3-4 DAYS

- 1 +

€1.540,00

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Qty 1-4

€1.540,00

Qty 5+

€1.362,00

Volume Pricing

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Angle of Incidence (°):
0 ±0.06

Coating:

BBAR (750-1100nm)
Design Wavelength DWL (nm): Broadband
Entrance Aperture (mm): 15
Exit Aperture (mm): 30
Expansion Power: 2X - 8X
Substrate: ☐ Fused Silica (Corning 7980)
Length (mm): 172.30
Mounting Threads: Input: Male C-Thread (1" x 32 TPI) Output: Male T-Thread (M42 x 0.75)
Transmission (%): >95 @ DWL
Type: Beam Expander
Weight (g): 500
Housing Diameter (mm): 51
Transmitted Wavefront, P-V: <λ/5 @ 785nm for Input Beam ≤4mm (2X to 6X) <λ/5 @ 785nm for Input Beam ≤2mm (>6X)
Coating Specification: R _{avg} <0.5% @ 780 - 950nm R _{avg} <1.0% @ 750 - 1100nm
Wavelength Range (nm): 750 - 1100
Style: Variable Magnification
Damage Threshold, By Design: ☐ 5 J/cm ² @ 785nm, 10ns, 20Hz
Divergence Adjustment: Non-Rotating Optics

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View