

TECHSPEC® 5X, NIR Vega® Broadband Beam Expander



TECHSPEC® Vega™ Broadband Beam Expanders

Stock #39-744 3-4 DAYS

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Angle of Incidence (°):
0

Coating:
Laser NIR (1030-1550nm)

Design Wavelength DWL (nm):
Broadband

Entrance Aperture (mm): 7.1
Exit Aperture (mm): 25.5
Expansion Power: 5X
Substrate: ☐ Fused Silica (Corning 7980)
Length (mm): 92.55
Mounting Threads: Input: Male M30 x 1 Output: Female M34 x 0.5
Transmission (%): >97.2 (nominal)
Type: Beam Expander
Weight (g): 165
Housing Diameter (mm): 39.95
Transmitted Wavefront, P-V: λ/10 for 4.0mm input beam (nominal, λ = DWL)
Coating Specification: R_{avg} ≤0.7% @ 1030 - 1550nm @ 0° AOI
Wavelength Range (nm): 1030 - 1550
Style: Fixed Magnification
Damage Threshold, By Design: ☐ 2 J/cm² @ 1064nm, 20ns, 20Hz
Divergence Adjustment: Rotating Optics

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View