

TECHSPEC® 2X, VIS-NIR Vega® Broadband Beam Expander



TECHSPEC® Vega™ Broadband Beam Expanders

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Angle of Incidence (°):
0

Coating:
Laser VIS-NIR (500-1090nm)

Design Wavelength DWL (nm):
Broadband

Entrance Aperture (mm): 8
Exit Aperture (mm): 23
Expansion Power: 2X
Substrate: ☐ Fused Silica (Corning 7980)
Length (mm): 88.90
Mounting Threads: Input: Male M30 x 1 Output: Female M27 x 0.5
Transmission (%): >96.0 (nominal)
Type: Beam Expander
Weight (g): 74
Housing Diameter (mm): 29.95
Transmitted Wavefront, P-V: <i>N</i> /10 for 4.0mm input beam (nominal, λ = DWL)
Coating Specification: R _{avg} ≤ 1.5% @ 500 - 1090nm @ 0° AOI
Wavelength Range (nm): 500 - 1090
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