

TECHSPEC[®] Broadband NIR 1X - 3X Research-Grade Variable Beam Expander



Research-Grade Variable Beam Expanders



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1



₹96,135.00

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Angle of Incidence (°):
0 ±0.06

Coating:
BBAR (750-1100nm)

Design Wavelength DWL (nm): Broadband
Entrance Aperture (mm): 10
Exit Aperture (mm): 30
Expansion Power: 1X - 3X
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): 577
Housing Diameter (mm): 58.2
Transmitted Wavefront, P-V: <λ/5 @ 785nm for Input Beam ≤5mm
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/cm² @ 785nm, 10ns, 20Hz
Divergence Adjustment: Non-Rotating Optics

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View