

TECHSPEC®

1064nm 2X - 8X Research-Grade Variable Beam Expander



1064nm 2X - 8X, #87-568

Stock **#87-568** CLEARANCE ☐ In Stock

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1

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C\$2,303.00

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Angle of Incidence (°):
0 ±0.06

Coating:
Laser V-Coat (1064nm)

Design Wavelength DWL (nm):
1064

Entrance Aperture (mm): 15
Exit Aperture (mm): 30
Expansion Power: 2X - 8X
Substrate: ☐ Fused Silica (Corning 7980)
Length (mm): 169.00
Mounting Threads: Input: Male C-Thread (1" x 32 TPI) Output: Male T-Thread (M42 x 0.75)
Transmission (%): >97.5 @ DWL
Type: Beam Expander
Weight (g): 501
Housing Diameter (mm): 51
Transmitted Wavefront, P-V: <λ/7 @ 1064nm for Input Beam ≤4 mm (2X-6X) <λ/7 @ 1064nm for Input Beam ≤2mm (>6X)
Coating Specification: R _{abs} <0.25% @ 1063 - 1065nm R _{avg} <0.5% @ 1030 - 1100nm
Wavelength Range (nm): 1030 - 1100
Style: Variable Magnification
Damage Threshold, By Design: ☐ 10 J/cm ² (>3X), 5 J/cm ² (2-3X) @ 10ns, 20 Hz, 1064nm
Divergence Adjustment: Non-Rotating Optics

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View