

TECHSPEC® 12.5mm Dia. x 90mm FL, VIS-NIR Coated, Achromatic Lens



Stock **#49-332** ☐ In Stock
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1 **C\$120.40**

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Qty 1-5
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Diameter (mm):
12.50 +0.0/-0.025

Effective Focal Length EFL (mm):
90.00

Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 88.47
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 11.50
Centering (arcmin): <1
Center Thickness CT (mm): 3.58 ±0.10
Center Thickness CT 1 (mm): 1.98 ±0.05
Center Thickness CT 2 (mm): 1.60 ±0.05
Radius R₁ (mm): 55.80
Radius R₂ (mm): -40.17
Radius R₃ (mm): -116.32
Edge Thickness ET (mm): 3.06
Substrate: ☐ N-BK7 / N-SF5
Surface Quality: 40-20
f/#: 7.2
Numerical Aperture NA: 0.07
Coating: VIS-NIR (400-1000nm)
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Bevel: Protective bevel as needed
Type: Achromatic Lens
Wavelength Range (nm): 400 - 1000

Regulatory Compliance

RoHS 2015: Compliant
Reach 219: Compliant
Certificate of Conformance: View