

TECHSPEC® 12.7mm Dia. x 50.8mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#49-764** ☐ In Stock

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1

C\$106.40

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Qty 1-5

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Qty 6+

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Diameter (mm):
12.70 +0.0/-0.025

Effective Focal Length EFL (mm):

50.80
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 48.86
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 11.70
Centering (arcmin): <1
Center Thickness CT (mm): 4.00 ±0.20
Center Thickness CT 1 (mm): 2.50 ±0.10
Center Thickness CT 2 (mm): 1.50 ±0.10
Radius R ₁ (mm): 33.17
Radius R ₂ (mm): -23.98
Radius R ₃ (mm): -89.03
Edge Thickness ET (mm): 3.16
Substrate:  N-BAK1 / N-SF15
Surface Quality: 40-20
f/#: 4.00
Numerical Aperture NA: 0.13
Coating: MgF ₂ (400-700nm)
Coating Specification: R _{avg} ≤1.75% @400 - 700nm
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 - 700

Regulatory Compliance

RoHS 2015: Compliant
Reach 224: Compliant
Certificate of Conformance: View