

TECHSPEC® 75mm Dia. x 200mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-417** 3-4 DAYS

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-

1

+

£255.00

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Qty 1-5

£255.00

Qty 6+

£204.00

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Diameter (mm):
75.00 +0.0/-0.025

Effective Focal Length EFL (mm): 200.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 187.69
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 73.50
Centering (arcmin): <1
Center Thickness CT (mm): 23.94 ±0.20
Center Thickness CT 1 (mm): 17.94 ±0.10
Center Thickness CT 2 (mm): 6.00 ±0.10
Radius R₁ (mm): 118.81
Radius R₂ (mm): -96.37
Radius R₃ (mm): -288.97
Edge Thickness ET (mm): 15.42
Substrate: ☐ N-BK7 / N-SF5
Surface Quality: 40-20
f/#: 2.67
Numerical Aperture NA: 0.19
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
Certificate of Conformance: View
Reach 233: Compliant