

TECHSPEC® 5mm Dia. x 7.5mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-407** 3-5 DAYS

[Other Coating Options](#)

⊖ 1 ⊕

A\$115.20

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Qty 1-5

A\$115.20

Qty 6+

A\$92.00

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Diameter (mm):
5.00 +0.0/-0.025

Effective Focal Length EFL (mm):

7.50
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 5.01
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 4.5
Centering (arcmin): <3
Center Thickness CT (mm): 4.75 ±0.10
Center Thickness CT 1 (mm): 3.72 ±0.05
Center Thickness CT 2 (mm): 1.03 ±0.05
Radius R ₁ (mm): 5.56
Radius R ₂ (mm): -3.09
Radius R ₃ (mm): -18.25
Edge Thickness ET (mm): 3.98
Substrate:  N-BAF10 / N-SF10
Surface Quality: 40-20
f/#: 1.5
Numerical Aperture NA: 0.33
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