

TECHSPEC® 12.5mm Dia. x 80mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-409** 3-4 DAYS

⊖ 1 ⊕ **€76,00**

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Qty 1-5
€76,00
Qty 6+
€60,75
Volume Pricing
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ⓘ Prices shown are exclusive of VAT/local taxes

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Diameter (mm):
12.50 +0.0/-0.025

Effective Focal Length EFL (mm):

80.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 78.40
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 11.50
Centering (arcmin): <1
Center Thickness CT (mm): 3.70 ±0.10
Center Thickness CT 1 (mm): 2.10 ±0.05
Center Thickness CT 2 (mm): 1.60 ±0.05
Radius R ₁ (mm): 49.62
Radius R ₂ (mm): -35.73
Radius R ₃ (mm): -103.22
Edge Thickness ET (mm): 3.12
Substrate:  N-BK7 / N-SF5
Surface Quality: 40-20
f/#: 6.4
Numerical Aperture NA: 0.08
Coating: MgF ₂ (400-700nm)
Coating Specification: R _{avg} ≤1.75% @400 - 700nm
Power (P-V) @ 632.8nm: 1.5λ
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