

TECHSPEC® 12.5mm Dia. x 45mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-136** 3-5 DAYS

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⊖ 1 ⊕

A\$121.60

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Qty 1-5

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Qty 6+

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Diameter (mm):
12.50 +0.0/-0.025

Effective Focal Length EFL (mm):

45.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 42.52
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 11.50
Centering (arcmin): <1
Center Thickness CT (mm): 5.00 ±0.10
Center Thickness CT 1 (mm): 3.50 ±0.05
Center Thickness CT 2 (mm): 1.50 ±0.05
Radius R ₁ (mm): 26.82
Radius R ₂ (mm): -20.12
Radius R ₃ (mm): -61.38
Edge Thickness ET (mm): 3.94
Substrate: N-BK7 / N-SF5
Surface Quality: 40-20
f/#: 3.6
Numerical Aperture NA: 0.14
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