

TECHSPEC® 25mm Dia. x 85mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-213** ☐ In Stock

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1

C\$147.00

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Qty 1-5

C\$147.00

Qty 6+

C\$117.60

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Diameter (mm):
25.00 +0.0/-0.025

Effective Focal Length EFL (mm):

85.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 81.21
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 24.00
Centering (arcmin): <1
Center Thickness CT (mm): 8.01 ±0.20
Center Thickness CT 1 (mm): 5.01 ±0.10
Center Thickness CT 2 (mm): 3.00 ±0.10
Radius R ₁ (mm): 55.68
Radius R ₂ (mm): -38.37
Radius R ₃ (mm): -146.45
Edge Thickness ET (mm): 6.05
Substrate:  N-SK11 / N-SF5
Surface Quality: 40-20
f/#: 3.4
Numerical Aperture NA: 0.15
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