

TECHSPEC® 25mm Dia. x 275mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-414** 3-5 DAYS

[Other Coating Options](#)

⊖ 1 ⊕

A\$168.00

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Qty 1-5

A\$168.00

Qty 6+

A\$134.40

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Diameter (mm):
25.00 +0.0/-0.025

Effective Focal Length EFL (mm):

275.00
Focal Length Tolerance (%) : ±1
Back Focal Length BFL (mm) : 271.60
Focal Length Specification Wavelength (nm) : 587.6
Clear Aperture CA (mm) : 24.00
Centering (arcmin) : <1
Center Thickness CT (mm) : 7.50 ±0.20
Center Thickness CT 1 (mm) : 5.00 ±0.10
Center Thickness CT 2 (mm) : 2.50 ±0.10
Radius R₁ (mm) : 171.03
Radius R₂ (mm) : -121.54
Radius R₃ (mm) : -352.46
Edge Thickness ET (mm) : 6.82
Substrate: N-BK7 / N-SF5
Surface Quality : 40-20
f/# : 11.00
Numerical Aperture NA : 0.05
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