

TECHSPEC[®] 18mm Dia. x 125mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-266** 3-4 DAYS

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£79.05

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Qty 1-5

£79.05

Qty 6+

£63.32

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Diameter (mm):
18.00 +0.0/-0.025

Effective Focal Length EFL (mm): 125.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 121.95
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 17.00
Centering (arcmin): <1
Center Thickness CT (mm): 6.50 ±0.20
Center Thickness CT 1 (mm): 4.50 ±0.10
Center Thickness CT 2 (mm): 2.00 ±0.10
Radius R₁ (mm): 76.92
Radius R₂ (mm): -55.48
Radius R₃ (mm): -162.59
Edge Thickness ET (mm): 5.72
Substrate: N-BK7 / N-SF5
Surface Quality: 40-20
f/#: 6.94
Numerical Aperture NA: 0.07
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