

TECHSPEC[®] 12.5mm Dia. x 100mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-265** ☐ In Stock

☐ [Other Coating Options](#)

-

1

+

£64.60

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Qty 1-5

£64.60

Qty 6+

£51.64

Volume Pricing

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Diameter (mm):
12.50 +0.0/-0.025

Effective Focal Length EFL (mm): 100.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 97.92
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 11.50
Centering (arcmin): <1
Center Thickness CT (mm): 4.50 ±0.10
Center Thickness CT 1 (mm): 3.00 ±0.05
Center Thickness CT 2 (mm): 1.50 ±0.05
Radius R₁ (mm): 61.54
Radius R₂ (mm): -44.39
Radius R₃ (mm): -130.26
Edge Thickness ET (mm): 4.03
Substrate: N-BK7 / N-SF5
Surface Quality: 40-20
f/#: 8.00
Numerical Aperture NA: 0.06
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