

TECHSPEC® 18mm Dia. x 40mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-104** ☐ In Stock

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1 **€93,00**

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Qty 1-5
€93,00

Qty 6+
€74,50

Volume Pricing
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Diameter (mm):
18.00 +0.0/-0.025

Effective Focal Length EFL (mm): 40.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 35.63
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 17.00
Centering (arcmin): <1
Center Thickness CT (mm): 7.58 ±0.20
Center Thickness CT 1 (mm): 5.98 ±0.10
Center Thickness CT 2 (mm): 1.60 ±0.10
Radius R₁ (mm): 26.97
Radius R₂ (mm): -17.64
Radius R₃ (mm): -205.03
Edge Thickness ET (mm): 5.84
Substrate: ☐ N-BAF10 / N-SF10
Surface Quality: 40-20
f/#: 2.22
Numerical Aperture NA: 0.23
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