

TECHSPEC® 18mm Dia. x 27mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-412** ☒ In Stock

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1

C\$130.20

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Qty 1-5

C\$130.20

Qty 6+

C\$104.30

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Diameter (mm):
18.00 +0.0/-0.025

Effective Focal Length EFL (mm):

27.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 21.74
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 17.00
Centering (arcmin): <1
Center Thickness CT (mm): 9.27 ±0.20
Center Thickness CT 1 (mm): 7.67 ±0.10
Center Thickness CT 2 (mm): 1.60 ±0.10
Radius R ₁ (mm): 18.70
Radius R ₂ (mm): -13.11
Radius R ₃ (mm): -119.12
Edge Thickness ET (mm): 6.62
Substrate:  N-BAF10 / N-SF10
Surface Quality: 40-20
f/#: 1.5
Numerical Aperture NA: 0.33
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