

TECHSPEC® 18mm Dia. x 75mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-350** ☐ In Stock

☐ [Other Coating Options](#)

1

C\$130.20

ADD TO CART

Qty 1-5

C\$130.20

Qty 6+

C\$104.30

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
18.00 +0.0/-0.025

Effective Focal Length EFL (mm):

75.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 72.15
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 17.00
Centering (arcmin): <1
Center Thickness CT (mm): 5.27 ±0.20
Center Thickness CT 1 (mm): 3.27 ±0.10
Center Thickness CT 2 (mm): 2.00 ±0.10
Radius R ₁ (mm): 53.03
Radius R ₂ (mm): -32.72
Radius R ₃ (mm): -288.05
Edge Thickness ET (mm): 4.36
Substrate:  N-BAF10 / N-SF10
Surface Quality: 40-20
f/#: 4.17
Numerical Aperture NA: 0.12
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