

TECHSPEC® 5mm Dia. x 12.5mm FL, MgF₂ Coated, Inked, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock #49-923-INK 3-5 DAYS

[Other Coating Options](#)

- 1 +

C\$114.80

ADD TO CART

Qty 1-5

C\$114.80

Qty 6+

C\$91.70

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
5.00 ±0.025

Effective Focal Length EFL (mm):

12.50
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 10.89
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 4.5
Centering (arcmin): <1
Center Thickness CT (mm): 3.30 ±0.10
Center Thickness CT 1 (mm): 2.30 ±0.05
Center Thickness CT 2 (mm): 1.00 ±0.05
Radius R ₁ (mm): 8.57
Radius R ₂ (mm): -6.22
Radius R ₃ (mm): -21.36
Edge Thickness ET (mm): 2.78
Substrate: ☐ N-SSK8 / N-SF56
Surface Quality: 40-20
f/#: 2.5
Numerical Aperture NA: 0.20
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: Compliant
Certificate of Conformance: View