

TECHSPEC[®] 5mm Dia. x 20mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-408** 3-4 DAYS

[Other Coating Options](#)

⊖

1

⊕

£61.20

ADD TO CART

Qty 1-5

£61.20

Qty 6+

£48.88

Volume Pricing

[Request Quote](#)

Prices shown are exclusive of VAT/local taxes

Get Product Downloads



Diameter (mm):
5.00 +0.0/-0.025

Effective Focal Length EFL (mm): 20.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 18.60
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 4.5
Centering (arcmin): <1
Center Thickness CT (mm): 2.64 ±0.10
Center Thickness CT 1 (mm): 1.61 ±0.05
Center Thickness CT 2 (mm): 1.03 ±0.05
Radius R₁ (mm): 14.11
Radius R₂ (mm): -8.63
Radius R₃ (mm): -75.59
Edge Thickness ET (mm): 2.38
Substrate: N-BAF10 / N-SF10
Surface Quality: 40-20
f/#: 4
Numerical Aperture NA: 0.13
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