

TECHSPEC® 40mm Dia. x 300mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-178** 3-5 DAYS

[Other Coating Options](#)

- 1 +

S\$226.20

ADD TO CART

Qty 1-5

S\$226.20

Qty 6+

S\$180.89

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
40.00 +0.0/-0.025

Effective Focal Length EFL (mm):

300.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 293.63
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 39.00
Centering (arcmin): <1
Center Thickness CT (mm): 13.10 ±0.20
Center Thickness CT 1 (mm): 9.00 ±0.10
Center Thickness CT 2 (mm): 4.10 ±0.10
Radius R ₁ (mm): 194.96
Radius R ₂ (mm): -148.27
Radius R ₃ (mm): -483.71
Edge Thickness ET (mm): 11.66
Substrate:  N-BAK4 / N-SF10
Surface Quality: 40-20
f/#: 7.5
Numerical Aperture NA: 0.07
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