

TECHSPEC® 50mm Dia. x 250mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-180** 3-5 DAYS

[Other Coating Options](#)

-

1

+

A\$268.80

ADD TO CART

Qty 1-5

A\$268.80

Qty 6+

A\$215.20

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
50.00 +0.0/-0.025

Effective Focal Length EFL (mm):

250.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 243.41
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 49.00
Centering (arcmin): <1
Center Thickness CT (mm): 13.25 ±0.20
Center Thickness CT 1 (mm): 9.75 ±0.10
Center Thickness CT 2 (mm): 3.50 ±0.10
Radius R ₁ (mm): 162.59
Radius R ₂ (mm): -123.82
Radius R ₃ (mm): -402.58
Edge Thickness ET (mm): 10.54
Substrate:  N-BAK4 / N-SF10
Surface Quality: 40-20
f/#: 5.00
Numerical Aperture NA: 0.10
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