

TECHSPEC[®] 50mm Dia. x 300mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-181** 10 TO 12 DAYS

[Other Coating Options](#)

- 1 +

₹14,616.00

ADD TO CART

Qty 1-5

₹14,616.00

Qty 6+

₹11,702.00

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Diameter (mm):
50.00 +0.0/-0.025

Effective Focal Length EFL (mm):

300.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 292.91
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 49.00
Centering (arcmin): <1
Center Thickness CT (mm): 12.50 ±0.20
Center Thickness CT 1 (mm): 9.00 ±0.10
Center Thickness CT 2 (mm): 3.50 ±0.10
Radius R ₁ (mm): 173.11
Radius R ₂ (mm): -164.03
Radius R ₃ (mm): -709.83
Edge Thickness ET (mm): 10.24
Substrate:  N-BAK4 / N-SF10
Surface Quality: 40-20
f/#: 6.00
Numerical Aperture NA: 0.08
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