

TECHSPEC® 12.7mm Dia. x 44.5mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#49-763** 10 TO 12 DAYS

[Other Coating Options](#)

- 1 +

₹6,612.00

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Qty 1-5

₹6,612.00

Qty 6+

₹5,285.00

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Diameter (mm):
12.70 +0.0/-0.025

Effective Focal Length EFL (mm):

44.45
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 41.98
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 11.70
Centering (arcmin): <1
Center Thickness CT (mm): 5.00 ±0.20
Center Thickness CT 1 (mm): 3.00 ±0.10
Center Thickness CT 2 (mm): 2.00 ±0.10
Radius R ₁ (mm): 28.49
Radius R ₂ (mm): -20.03
Radius R ₃ (mm): -81.41
Edge Thickness ET (mm): 4.04
Substrate:  N-BAK1 / N-SF8
Surface Quality: 40-20
f/#: 3.5
Numerical Aperture NA: 0.14
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