

TECHSPEC® 6.25mm Dia. x 50mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-263** 3-5 DAYS

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− 1 +

A\$100.80

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Diameter (mm):
6.25 +0.0/-0.025

Effective Focal Length EFL (mm):

50.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 48.61
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 5.625
Centering (arcmin): <1
Center Thickness CT (mm): 3.00 ±0.10
Center Thickness CT 1 (mm): 2.00 ±0.05
Center Thickness CT 2 (mm): 1.00 ±0.05
Radius R ₁ (mm): 30.77
Radius R ₂ (mm): -22.05
Radius R ₃ (mm): -64.60
Edge Thickness ET (mm): 2.77
Substrate: N-BK7 / N-SF5
Surface Quality: 40-20
f/#: 8.00
Numerical Aperture NA: 0.06
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