

TECHSPEC[®] 12.7mm Dia. x 19.1mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



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1

+

C\$106.40

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Diameter (mm):
12.70 +0.0/-0.025

Effective Focal Length EFL (mm):

19.10
Focal Length Tolerance (%) : ±1
Back Focal Length BFL (mm) : 15.38
Focal Length Specification Wavelength (nm) : 587.6
Clear Aperture CA (mm) : 11.70
Centering (arcmin) : <1
Center Thickness CT (mm) : 6.75 ±0.20
Center Thickness CT 1 (mm) : 5.25 ±0.10
Center Thickness CT 2 (mm) : 1.50 ±0.10
Radius R₁ (mm) : 13.19
Radius R₂ (mm) : -10.22
Radius R₃ (mm) : -50.88
Edge Thickness ET (mm) : 4.72
Substrate:  N-BAF10 / N-SF6
Surface Quality : 40-20
f/# : 1.5
Numerical Aperture NA : 0.33
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