

TECHSPEC® 3mm Dia. x 12mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-262** ☐ In Stock

☐ [Other Coating Options](#)

1

C\$152.60

ADD TO CART

Qty 1-5

C\$152.60

Qty 6+

C\$122.15

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
3.00 +0.0/-0.025

Effective Focal Length EFL (mm):

12.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 10.77
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 2.7
Centering (arcmin): <1
Center Thickness CT (mm): 2.68 ±0.10
Center Thickness CT 1 (mm): 1.68 ±0.05
Center Thickness CT 2 (mm): 1.00 ±0.05
Radius R ₁ (mm): 7.39
Radius R ₂ (mm): -5.15
Radius R ₃ (mm): -14.62
Edge Thickness ET (mm): 2.45
Substrate: N-BK7 / N-SF5
Surface Quality: 20-10
f/#: 4.00
Numerical Aperture NA: 0.13
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