

TECHSPEC[®] 18mm Dia. x 125mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-266** 3-5 DAYS

[Other Coating Options](#)

-

1

+

A\$148.80

ADD TO CART

Qty 1-5

A\$148.80

Qty 6+

A\$119.20

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
18.00 +0.0/-0.025

Effective Focal Length EFL (mm):

125.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 121.95
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 17.00
Centering (arcmin): <1
Center Thickness CT (mm): 6.50 ±0.20
Center Thickness CT 1 (mm): 4.50 ±0.10
Center Thickness CT 2 (mm): 2.00 ±0.10
Radius R ₁ (mm): 76.92
Radius R ₂ (mm): -55.48
Radius R ₃ (mm): -162.59
Edge Thickness ET (mm): 5.72
Substrate: N-BK7 / N-SF5
Surface Quality: 40-20
f/#: 6.94
Numerical Aperture NA: 0.07
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