

TECHSPEC[®] 50.0mm Dia. x 75.0mm FL, MgF₂ Coated, Plano-Convex Lens



Stock **#45-246** 10 TO 12 DAYS
[Other Coating Options](#)

-

1

+

₹4,829.00

ADD TO CART

Qty 1-9
₹4,829.00
Qty 10+
₹4,350.00
Volume Pricing
Request Quote

Get Product Downloads



Diameter (mm):
50.00 +0.0/-0.025

Effective Focal Length EFL (mm):
75.00 @ 587.6nm

Back Focal Length BFL (mm): 67.75
Coating: MgF ₂ (400-700nm)
Coating Specification: R _{avg} ≤1.75% @ 400 - 700nm
Substrate: ☐ N-BK7
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Focal Length Tolerance (%): ±1
Centering (arcmin): <1
Center Thickness CT (mm): 11.00 ±0.10
Edge Thickness ET (mm): 1.86
Radius R₁ (mm): 38.76
Clear Aperture CA (mm): 49
f/#: 1.5
Numerical Aperture NA: 0.33
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 400 - 700
Damage Threshold, By Design: ☐ 10 J/cm ² @ 532nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant