

TECHSPEC®

12.7mm Dia. x 15.0mm FL, MgF₂ Coated, Plano-Convex Lens



Stock **#49-855** ☐ In Stock

☐ [Other Coating Options](#)

-

1

+

C\$49.00

ADD TO CART

Qty 1-9
C\$49.00
Qty 10+
C\$44.10
Volume Pricing
Request Quote

Get Product Downloads



Diameter (mm):
12.70 +0.0/-0.025

Effective Focal Length EFL (mm):
15.00 @ 587.6nm

Back Focal Length BFL (mm): 11.53
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): 5.25 ±0.10
Edge Thickness ET (mm): 1.94
Radius R₁ (mm): 7.75
Clear Aperture CA (mm): 11.7
f/#: 1.18
Numerical Aperture NA: 0.42
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