

TECHSPEC®

12.7mm Dia. x 40.0mm FL, MgF₂ Coated, Plano-Convex Lens



Stock **#38-246** 3-5 DAYS

[Other Coating Options](#)



1



S\$49.30

ADD TO CART

Qty 1-9

S\$49.30

Qty 10+

S\$44.23

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
12.70 +0.0/-0.025

Effective Focal Length EFL (mm):
40.00 @ 587.6nm

Back Focal Length BFL (mm): 38.48
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): 2.30 ±0.10
Edge Thickness ET (mm): 1.30
Radius R₁ (mm): 20.67
Clear Aperture CA (mm): 11.7
f/#: 3.15
Numerical Aperture NA: 0.16
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 400 - 700
Damage Threshold, Reference: ☐ 10 J/cm ² @ 532nm, 10ns

Regulatory Compliance

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