

TECHSPEC® 20.0mm Diameter x -40 FL, MgF₂ Coated, Plano-Concave Lens



Stock **#45-023** 10 TO 12 DAYS
[Other Coating Options](#)

- 1 + **₹3,219.00**

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Qty 1-9
₹3,219.00
Qty 10+
₹2,893.00
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Diameter (mm):
20.00 +0.0/-0.025

Effective Focal Length EFL (mm):
-40.00

Substrate: N-BK7
f#: 2.00
Numerical Aperture NA: 0.25
Coating: MgF₂ (400-700nm)
Type: Plano-Concave Lens
Wavelength Range (nm): 400 - 700
Back Focal Length BFL (mm): -42.31
Bevel: Protective bevel as needed
Center Thickness CT (mm): 3.50
Center Thickness Tolerance (mm): ±0.10
Centering (arcmin): <1
Clear Aperture CA (mm): 19.00
Coating Specification: R_{avg} ≤1.75% @ 400 - 700nm
Edge Thickness ET (mm): 5.92
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Radius R₁ (mm): -20.67
Surface Quality: 40-20
Damage Threshold, By Design: 10 J/cm² @ 532nm, 10ns
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4

Regulatory Compliance

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