

TECHSPEC® 40.0mm Dia. x 80.0mm FL, MgF₂ Coated, Plano-Convex Lens



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1 **£43.77**

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Qty 1-9

£43.77

Qty 10+

£39.31

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Diameter (mm):
40.00 +0.0/-0.025

Effective Focal Length EFL (mm):

80.00 @ 587.6nm

Back Focal Length BFL (mm):
74.73

Coating:
MgF₂ (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):
8.00 ± 0.10

Edge Thickness ET (mm):
2.84

Radius R₁ (mm):
41.34

Clear Aperture CA (mm):
39

f#:
2

Numerical Aperture NA:
0.25

Type:
Plano-Convex Lens

Bevel:
Protective bevel as needed

Wavelength Range (nm):
400 - 700

Damage Threshold, By Design:
10 J/cm² @ 532nm, 10ns

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 235:
[Compliant](#)