

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



Stock #45-246 3-5 DAYS

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⊖ 1 ⊕ **A\$88.80**

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Qty 1-9

A\$88.80

Qty 10+

A\$80.00

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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:
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):
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/cm² @ 532nm, 10ns

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 235:
[Compliant](#)