

TECHSPEC® 6.0mm Dia. x 48.0mm FL, MgF₂ Coated, Plano-Convex Lens



Stock #45-234 3-4 DAYS

[Other Coating Options](#)

⊖ 1 ⊕ **€32,00**

ADD TO CART

Qty 1-9

€32,00

Qty 10+

€28,75

Volume Pricing

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ⓘ Prices shown are exclusive of VAT/local taxes

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Diameter (mm):
6.00 +0.0/-0.025

Effective Focal Length EFL (mm):
48.00 @ 587.6nm

Back Focal Length BFL (mm):
46.95

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):
1.60 ± 0.05

Edge Thickness ET (mm):
1.42

Radius R₁ (mm):
24.81

Clear Aperture CA (mm):
5.4

f#:
8

Numerical Aperture NA:
0.06

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](#)
