

TECHSPEC® 12.0mm Dia. x 42.0mm FL, VIS 0°, Inked, Plano-Convex Lens



Stock #47-335-INK 3-4 DAYS

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⊖ 1 ⊕ **€51,50**

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Qty 1-9

€51,50

Qty 10+

€46,25

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Diameter (mm):
12.00 ±0.025

Effective Focal Length EFL (mm):
42.00 @ 587.6nm

Back Focal Length BFL (mm):
40.22

Coating:
MS 0° (425-675nm)

Coating Specification:
 $R_{avg} \leq 0.4\%$ @ 425 - 675nm

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):
2.70 ±0.05

Edge Thickness ET (mm):
1.85

Radius R₁ (mm):
21.71

Clear Aperture CA (mm):
11

f#:
3.5

Numerical Aperture NA:
0.14

Type:
Plano-Convex Lens

Bevel:
Protective bevel as needed

Wavelength Range (nm):
425 - 675

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

Regulatory Compliance

RoHS:
[Compliant](#)

Certificate of Conformance:
[View](#)