

TECHSPEC®

5.0mm Dia. x 7.5mm FL, NIR I Coated, Plano-Convex Lens



Stock **#48-710** 10 TO 12 DAYS
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+

₹4,002.00

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Diameter (mm):
5.00 +0.0/-0.025

Effective Focal Length EFL (mm):
7.50 @ 587.6nm

Back Focal Length BFL (mm): 6.43
Coating: NIR I (600-1050nm)
Coating Specification: R _{avg} ≤0.5% @ 600 - 1050nm
Substrate: ☐ N-SF11
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Focal Length Tolerance (%): ±1
Centering (arcmin): <3
Center Thickness CT (mm): 1.90 ±0.05
Edge Thickness ET (mm): 1.34
Radius R₁ (mm): 5.89
Clear Aperture CA (mm): 4.5
f/#: 1.5
Numerical Aperture NA: 0.33
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 600 - 1050
Damage Threshold, By Design: ☐ 7 J/cm ² @ 1064nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Reach 219: Compliant
Certificate of Conformance: View