

TECHSPEC® 50.0mm Dia. x -100 FL, YAG-BBAR, Plano-Concave Lens



Stock **#21-322** ☒ In Stock

1 **C\$101.50**

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Diameter (mm):
50.00

Effective Focal Length EFL (mm):
-100.00

Substrate: N-BK7
f/#: 2.00
Numerical Aperture NA: 0.25
Coating: YAG-BBAR (500-1100nm)
Type: Plano-Concave Lens
Wavelength Range (nm): 500 - 1100
Back Focal Length BFL (mm): -103.30
Bevel: Protective bevel as needed
Center Thickness CT (mm): 5.00 ±0.10
Centering (arcmin): <1
Clear Aperture CA (mm): 49.00
Coating Specification: R _{abs} <0.25% @ 532nm R _{abs} <0.25% @ 1064nm R _{avg} <1.0% @ 500 - 1100nm
Edge Thickness ET (mm): 11.23
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Radius R₁ (mm): -51.68
Surface Quality: 40-20
Damage Threshold, By Design: 5 J/cm² @ 532nm, 10ns
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant