

TECHSPEC® 100mm FL, YAG-BBAR Coated, Laser Focusing Singlet Lens



TECHSPEC® Laser Focusing Singlet Lenses

Stock **#12-320** CLEARANCE 3-5 DAYS

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+

A\$137.52

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Diameter (mm):
30.00 +0.0/-0.025

Effective Focal Length EFL (mm):
100.00

Substrate: [N-BK7](#)

f/#:
3.33

Numerical Aperture NA:

0.15
Coating: YAG-BBAR (500-1100nm)
Type: Plano-Convex Lens
Wavelength Range (nm): 500 - 1100
Bevel: Protective bevel as needed
Center Thickness CT (mm): 6.00
Center Thickness Tolerance (mm): ±0.1
Clear Aperture CA (mm): 28
Coating Specification: R _{abs} <0.25% @ 532nm R _{abs} <0.25% @ 1064nm R _{avg} <1.0% @ 500 - 1100nm
Edge Thickness ET (mm): 3.78
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Housing Diameter (mm): 41.00
Housing Length (mm): 33.60
Radius R₁ (mm): 51.68
Surface Quality: 40-20
Working Distance (mm): 73.3 @ 532nm 73.7 @ 1064nm
Damage Threshold, By Design: ☐ 5 J/cm² @ 532nm, 10ns
Lens Included: #88-909
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View