

TECHSPEC® 12.7mm Dia. x 50mm FL, 1064nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCX Lenses

Stock **#38-735** ☐ In Stock

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1 **C\$256.20**

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Diameter (mm):
12.70 +0.00/-0.025

Effective Focal Length EFL (mm):
50.00 @ 355nm

Back Focal Length BFL (mm):
47.30

Coating: Laser V-Coat (1064nm)
Coating Specification: R_{abs} <0.25% @ 1064nm
Substrate: Fused Silica (Corning 7980)
Surface Quality: 10-5
Power (P-V) @ 632.8nm: λ
Irregularity (P-V) @ 632.8nm: λ/10
Focal Length Tolerance (%): ±1
Centering (arcmin): <1
Center Thickness CT (mm): 4.00 ±0.10
Edge Thickness ET (mm): 3.14
Radius R₁ (mm): 23.80
Clear Aperture CA (mm): 11.43
f#: 3.94
Numerical Aperture NA: 0.13
Design Wavelength DWL (nm): 1064
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Damage Threshold, By Design: 15 J/cm² @ 1064nm, 20ns, 20Hz

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View