

TECHSPEC® 12.7mm Dia. x 75mm FL, 1064nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCX Lenses

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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):
75.00 @ 355nm

Back Focal Length BFL (mm):
72.31

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): 3.43
Radius R₁ (mm): 35.71
Clear Aperture CA (mm): 11.43
f#: 5.91
Numerical Aperture NA: 0.08
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