

TECHSPEC® 12mm Dia. x 45mm FL, VIS-NIR Coated, UV Double-Convex Lens



UV Fused Silica Double-Convex (DCX) Lenses



Stock **#63-833** 3-4 DAYS

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1

€134,50

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Qty 1-5

€134,50

Qty 6+

€107,50

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Diameter (mm):
12.00 +0.0/-0.025

Back Focal Length BFL (mm): 43.96
Effective Focal Length EFL (mm): 45.00
Coating: VIS-NIR (400-1000nm)
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm
Substrate: ☐ Fused Silica (Corning 7980)
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Centering (arcmin): <1
Bevel: Protective bevel as needed
Center Thickness CT (mm): 2.99 ±0.05
Edge Thickness ET (mm): 2.10
Radius R₁=R₂ (mm): 40.79
Clear Aperture CA (mm): 11.00
f#: 3.75
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Numerical Aperture NA: 0.13
Type: Double-Convex Lens
Wavelength Range (nm): 400 - 1000
Damage Threshold, Reference: ☐ 5 J/cm² @ 532nm, 10ns

Regulatory Compliance

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