

TECHSPEC[®] 12.5mm Dia. 2° Nom. Fused Silica Wedge Prism 355nm Laser V-Coat



TECHSPEC Fused Silica Wedge Prisms

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Coating:
Laser V-Coat (355nm)

Angle Tolerance (arcsec):
30

Bevel:
Protective bevel as needed

Coating Specification:
R_{abs} <0.25% @ 355nm

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):

0.52
Design Wavelength DWL (nm): 355
Diameter (mm): 12.50
Image Orientation: Beam Deviation
Power (diopters): 3.49
Ray Deviation @ 355nm (°): 2.00
Substrate: ☐ Fused Silica (Corning 7980)
Surface Flatness (P-V): λ/10
Surface Quality: 20-10
Thickness (mm): 1.50
Wedge Angle: 4° 11'14"
Note: Specificy this is S1 & S2 power and irregularity, not the overall power of the wedge
Damage Threshold, By Design: ☐ 7.5 J/cm² @ 355nm, 20ns, 20Hz
Power (fringes) @ 632.8nm: 0.50
Irregularity (fringes) @ 632.8nm: 0.20

Regulatory Compliance

RoHS 2015: Compliant
Reach 209: Compliant
Certificate of Conformance: View