

50.8mm Dia. x 3mm Thick, 3-5µm AR Coated & DLC Coated, ISP Optics Silicon (Si)
Window | DLC35-SI-W-50-3

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Diamond-Like Carbon (DLC) Coated Silicon Windows

Stock #16-817 3-5 DAYS

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1

+

S\$1,004.13

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Bevel:
Protective as needed

Clear Aperture (%):
85

Clear Aperture CA (mm):
43.18

Diameter (mm): 50.80 +0.00/-0.13
Thickness (mm): 3.00 ±0.13
Coating: S1: DLC Coating S2: BBAR (3000-5000nm)
Coating Specification: AR: R _{avg} ≤0.5% @ 3000 - 5000nm
Edges: Fine Ground
Knoop Hardness (kg/mm²): 1150
Parallelism (arcmin): <3
Substrate: Silicon (Si)
Surface Flatness (P-V): λ/10 @ 10.6µm
Surface Quality: 40-20
Type: Protective Window
Wavelength Range (nm): 3000 - 5000
Coating Abrasion: AR: Moderate, per MIL-C-48497C DLC: Severe, per MIL-C-48497C
Coating Adhesion: AR: per MIL-C-48497C DLC: per MIL-C-48497C
Coating Humidity: AR: 24 Hours per MIL-C-48497C DLC: 24 Hours per MIL-C-48497C
Coating Salt Solubility: AR: N/A DLC: ≥24 Hours Immersion per MIL-C-675C
Coating Salt Spray: AR: N/A ≥72 Hours per MIL-C-675
Coating Solubility and Cleaning: AR: per MIL-C-48497 DLC: per MIL-C-48497
Coating Temperature (°F): AR: -80 to +160 per MIL-C-48497C DLC: -80 to +160 per MIL-C-48497C
Coating Wiper Durability: AR: N/A DLC: ≥1,000 Wipes of Sand/Slurry per TS-1888
Note: Arrow on substrate edge points towards DLC coated surface
Model Number: DLC35-SI-W-50-3

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View