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ISP Optics Calcium Fluoride (CaF₂) Windows

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- Greater than 90% Transmission from 350nm-7μm
- Low Index of Refraction
- Low Solubility and Chemically Inert

Common Specifications

Physical & Mechanical Properties

Bevel:	Protective as needed	Clear Aperture (%):	85
Edges:	Fine Ground	Knoop Hardness (kg/mm²):	158.30
Parallelism (arcmin):	<3	Poisson's Ratio:	0.26
Young's Modulus (GPa):	75.8		

Optical Properties

Abbe Number (v_d):	94.99		
Axis Orientation:	Random	Coating:	Uncoated
Index of Refraction (n_d):	1.434	Substrate:	Calcium Fluoride (CaF₂)
Surface Flatness (P-V):	2λ	Surface Quality:	40-20
Wavelength Range (nm):	300 - 8000		

Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	18.85
Density (g/cm³):	3.18

Technical Information

Products

Dia. (mm)	Thickness (mm)	Coating	Model Number	Stock Number	Price	Buy
<u>#24-525 Clearance</u>						
38.10	6.00	Uncoated	CF-W-38-6	 Clearance Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	₹8,348	5 In Stock
<u>#19-717 Clearance</u>						
50.80	3.00	Uncoated	CF-W-50-3	 Clearance Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	₹14,850	Contact Us

[#24-534 Clearance](#)

76.20	8.00	Uncoated	CF-W- 76-8	Clearance Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	₹32,360	3 In Stock
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