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ISP Optics Sapphire Windows

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- High Corrosion Resistance and Thermal Stability
- Higher Durability than Glass Windows
- Transmission from 0.33 – 5.5 μ m

Common Specifications

Physical & Mechanical Properties

Bevel:	Protective as needed	Clear Aperture (%):	85
Clear Aperture CA (mm):	21.59	Diameter (mm):	25.40 +0.00/-0.13
Edges:	Fine Ground	Knoop Hardness (kg/mm²):	1,900.00
Parallelism (arcmin):	<3	Poisson's Ratio:	0.27
Young's Modulus (GPa):	435		

Optical Properties

Abbe Number (v_d):	72.24		
Axis Orientation:	Random	Birefringence (n_o-n_e):	0.008 for Visible Light Orthogonal to Optical Axis
Coating:	Uncoated	Index of Refraction (n_d):	1.77
Substrate:	Sapphire (Al ₂ O ₃)	Surface Flatness (P-V):	2λ per 25.4mm
Surface Quality:	60-40	Wavelength Range (nm):	330 - 5500

Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	8.8	Density (g/cm³):	3.97
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Technical Information

Products

Dia. (mm)	Thickness (mm)	Coating	Model Number	Stock Number	Price	Buy
<u>#24-541 Clearance</u>						
25.40	1.00	Uncoated	AL-W-25-1	 Clearance Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	S\$233.80	1 In Stock
<u>#24-543 Clearance</u>						
25.40	3.00	Uncoated	AL-W-25-3	 Clearance Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	S\$253.40	8 In Stock



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