

#### All Products / Optics / Windows and Diffusers / UV and IR Windows

## ISP Optics Sapphire Windows See More by ISP Optics

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



# **Common Specifications**

#### **Physical & Mechanical Properties**

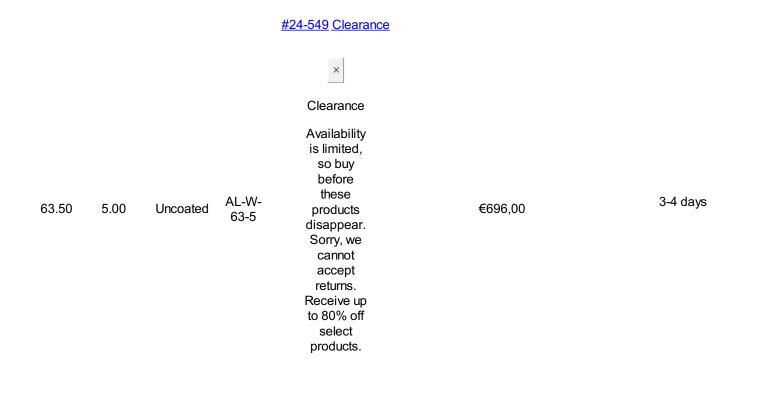
Devel						
Bevel:	Protective as needed	Clear Aperture (%):	85			
Edges:	Fine Ground	Knoop Hardness (kg/mm <sup>2</sup> ):	1900			
Parallelism (arcmin):	<3	Poisson's Ratio:	0.27			
Young's Modulus (GPa):	435					
<b>Optical Properties</b>	;	1				
Abbe Number (v <sub>d</sub> ):	72.24					
Axis Orientation:	Random	Birefringence (n <sub>o</sub> -n <sub>e</sub> ):	0.008 for Visible Light Orthogonal to Optical Axis			
Coating:	Uncoated	Index of Refraction (n <sub>d</sub> ):	1.77			
Substrate:	Sapphire (Al <sub>2</sub> O <sub>3</sub> )	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 <sup>-</sup> <sup>6</sup> /°C):	8.8	Density (g/cm <sup>3</sup> ):	3.97			

**Technical Information** 

### Products

Dia. (mm)	Thickness (mm)	Coating	Model Number	Stock Number	Price	Buy
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.	€162,00	3-4 days
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.	€268,00	3-4 days

38.10	2.00	Uncoated	AL-W- 38-2	X   Clearance   Availability   is limited,   so buy   before   these   products   disappear.   Sorry, we   cannot   accept   returns.   Receive up   to 80% off   select   products.	€321,00	3-4 days
38.10	3.00	Uncoated	AL-W- 38-3	#24-545 Clearance   ×   Clearance   Availability   is limited,   so buy   before   these   products   disappear.   Sorry, we   cannot   accept   returns.   Receive up   to 80% off   select   products.	€321,00	3-4 days





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