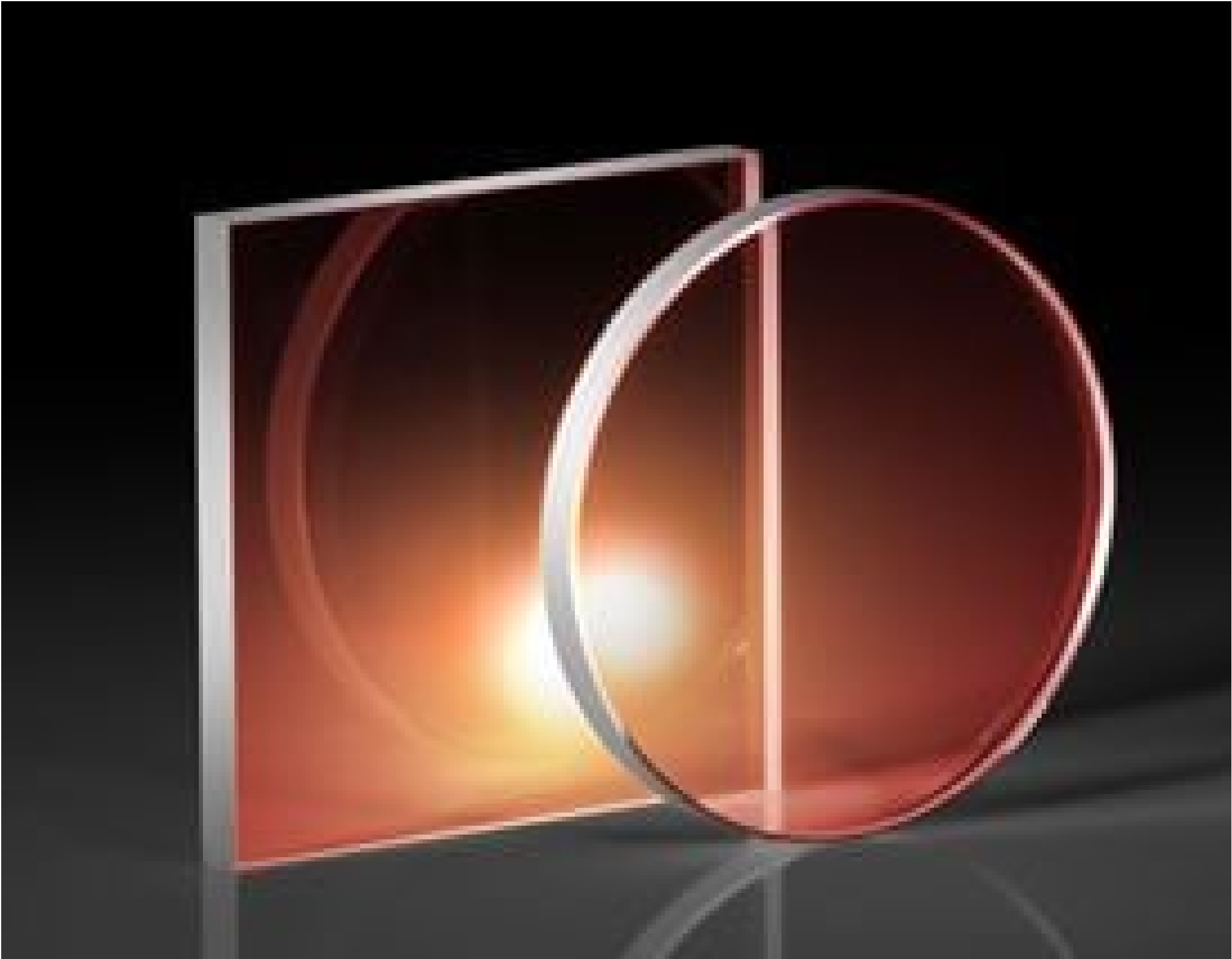


TECHSPEC[®] 10mm Dia., 3mm Thick, 1 Side VIS-NIR Sapphire Window



Single-Side AR-Coated Sapphire Windows

Stock **#90-037** NEW **17 In Stock**

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1

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₹6,264

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Volume Pricing	
Qty 1-24	₹6,264 each
Qty 25-50	₹5,011 each
Qty 51-99	₹4,698 each
Need More?	Request Quote

Product Downloads

General	
Protective Window	Type:
Physical & Mechanical Properties	
Protective as needed	Bevel:
90	Clear Aperture (%):

9	Clear Aperture CA (mm):
10.00 ±0.05	Diameter (mm):
3.00 ±0.05	Thickness (mm):
Fine Ground	Edges:
1,900.00	Knoop Hardness (kg/mm²):
≤3.5	Parallelism (arcmin):
0.27	Poisson's Ratio:
435	Young's Modulus (GPa):

Optical Properties	
72.24	Abbe Number (v _d):
Random	Axis Orientation:
0.008 for Visible Light Orthogonal to Optical Axis	Birefringence (n _o -n _e):
VIS-NIR (400-1000nm)	Coating:
R _{avg} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm	Coating Specification:
1.77	Index of Refraction (n _d):
Sapphire (Al ₂ O ₃)	Substrate:
80-50	Surface Quality:
400 - 1000	Wavelength Range (nm):

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

Regulatory Compliance	
View	Certificate of Conformance:
Switzerland	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- Combines the High Transmission of an AR-Coating with the Ruggedness of Sapphire
 - Ideal for Applications Where High Environmental Resistance is Required
 - Uncoated Surface can Withstand Intensive Cleaning and Abrasion
- TECHSPEC® Single-Side AR-Coated Sapphire Windows feature a durable single-crystal sapphire substrate with an Anti-Reflection coating on one side for improved performance. The single-surface coating combines the benefits of higher transmission with the hardness, strength, and chemical resistance of sapphire. These windows are available in VIS-NIR (400-1000nm) or VIS-EXT (350-700nm) single-sided coating options. TECHSPEC® Single-Side AR-Coated Sapphire Windows can be used with the uncoated surface facing outwards to resist abrasion or harsh chemicals, ensuring the coated surface is not exposed to conditions that may cause damage and reduce performance. These windows are ideal for applications in food or healthcare where intensive cleaning is necessary.