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25.4mm Dia., 1mm Thick, NIR II Coated Suprasil Window



Suprasil® Windows

Stock **#25-593** [CONTACT US](#)

⊖ 1 ⊕ ₹12,029

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Volume Pricing	
Qty 1-5	₹12,029 each
Qty 6-25	₹9,609 each
Qty 26-49	₹9,022 each
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General

Protective Window **Type:**

Physical & Mechanical Properties

22.86 **Clear Aperture CA (mm):**

25.40 +0.00/-0.10 **Diameter (mm):**

1.00 ±0.10	Thickness (mm):
Protective as needed	Bevel:
90	Clear Aperture (%):
Fine Ground	Edges:
<5	Parallelism (arcsec):
0.17	Poisson's Ratio:
70	Young's Modulus (GPa):
591.00	Knoop Hardness (kg/mm²):

Optical Properties

NIR II (750 - 1550nm)	Coating:
Suprasil® 300	Substrate: <input type="checkbox"/>
1.459	Index of Refraction (n_d):
10-5	Surface Quality:
λ/10	Transmitted Wavefront, P-V:
67.8	Abbe Number (v_d):
Coating Specification:	
R _{abs} ≤1.5% @ 750 - 800nm	
R _{abs} ≤1.0% @ 800 - 1550nm	
R _{avg} ≤0.7% @ 750 - 1550nm	
750 - 1550	Wavelength Range (nm):

Material Properties

2.20	Density (g/cm³):
Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	
0.51 (0 to +100°C)	
0.58 (0 to +200°C)	

Regulatory Compliance

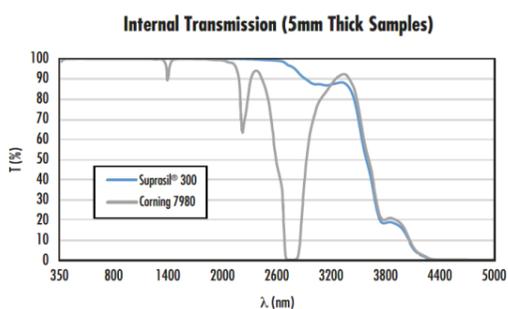
View	Certificate of Conformance:
Vietnam	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- High Transmission from 200 to 3500nm
- <1 ppm OH Content for Minimal Absorption Losses
- 10-5 Surface Quality and up to λ/10 TVD

Suprasil® Windows are constructed from high purity synthetic fused silica and provide high, flat transmission from 200 to 3500nm. Suprasil has similar mechanical properties to fused silica with the added benefit of having no absorption bands in the visible or infrared spectra, resulting in no transmission loss between 1400 - 2700nm. Compared to Infrasil®, Suprasil has lower absorption with a <1 ppm OH content, causing negligible increase in temperature from bulk absorption when used with high powered lasers. Suprasil Windows are ideal for laser material processing, medical laser applications, or applications using Nd:doped or 2 micron lasers.

Technical Information



Compatible Mounts
