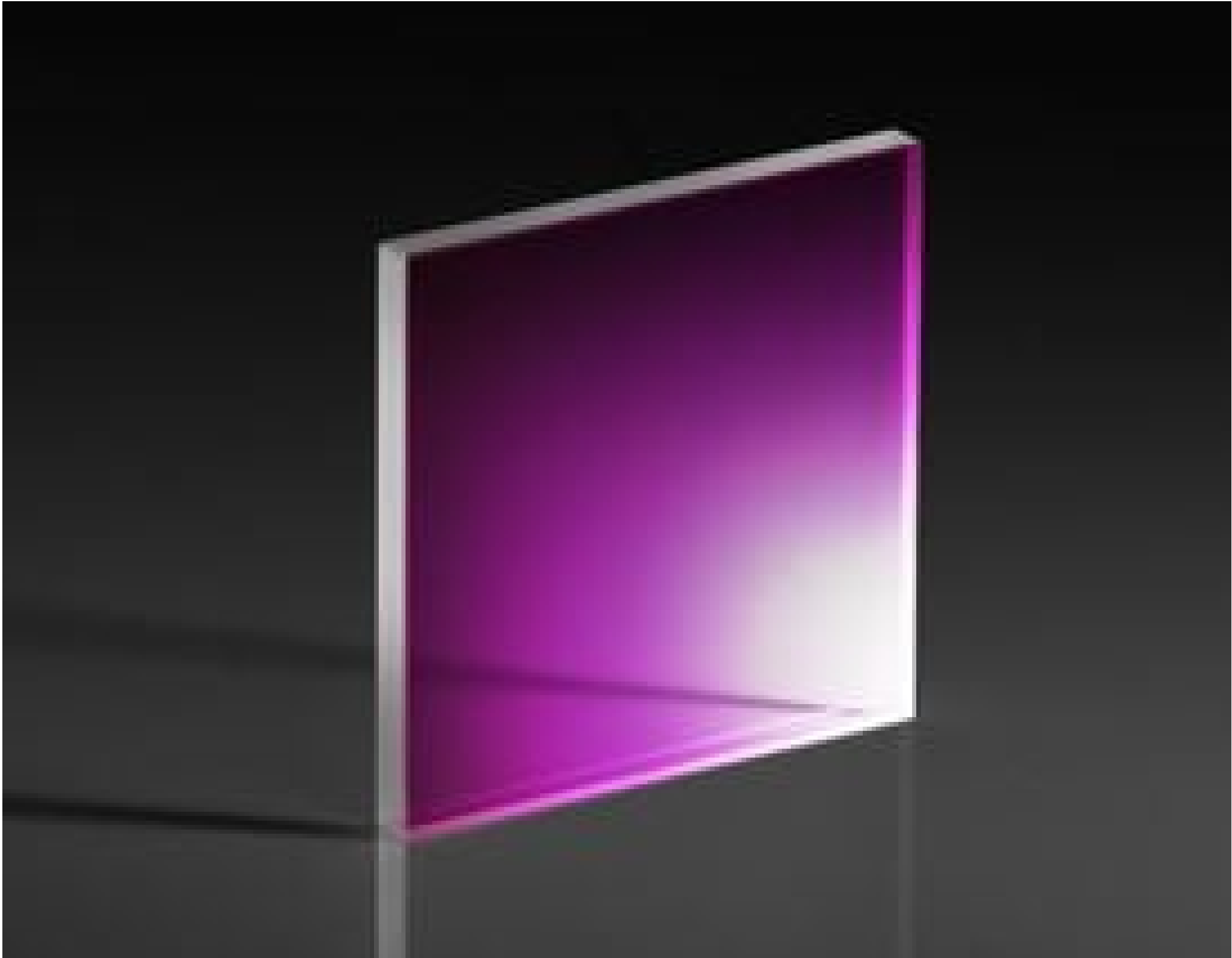


TECHSPEC<sup>®</sup> 50 x 50mm, 4mm Thick NIR I, 1λ Fused Silica Window



Stock **#36-987** 3 In Stock

-

1

+

£140<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £140.00 each                  |
| Qty 6-25       | £111.20 each                  |
| Qty 26-49      | £104.80 each                  |
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!

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Protective Window

Physical & Mechanical Properties

Clear Aperture CA (mm):

45.00 x 45.00

Dimensions (mm):

50.00 x 50.00 +0.00/-0.20

|                      |                             |
|----------------------|-----------------------------|
| 4.00 ±0.38           | Thickness (mm):             |
| 50.00                | Length (mm):                |
| 50.00                | Width (mm):                 |
| <5                   | Parallelism (arcmin):       |
| +0.00/-0.20          | Dimensional Tolerance (mm): |
| Protective as needed | Bevel:                      |
| 90                   | Clear Aperture (%):         |
| Fine Ground          | Edges:                      |
| 0.16                 | Poisson's Ratio:            |
| 73                   | Young's Modulus (GPa):      |
| 522.00               | Knoop Hardness (kg/mm²):    |

Optical Properties

|                                             |                                                       |
|---------------------------------------------|-------------------------------------------------------|
| NIR I (600-1050nm)                          | Coating:                                              |
| <a href="#">Fused Silica</a> (Corning 7980) | Substrate: <input type="checkbox"/>                   |
| 1.458                                       | Index of Refraction (n <sub>d</sub> ):                |
| 60-40                                       | Surface Quality:                                      |
| 67.8                                        | Abbe Number (v <sub>d</sub> ):                        |
| R <sub>avg</sub> ≤0.5% @ 600 - 1050nm       | Coating Specification:                                |
| 600 - 1050                                  | Wavelength Range (nm):                                |
| 1λ                                          | Surface Flatness (P-V):                               |
| 7 J/cm² @ 1064nm, 10ns                      | Damage Threshold, Reference: <input type="checkbox"/> |

Material Properties

|                                                                   |                                                              |
|-------------------------------------------------------------------|--------------------------------------------------------------|
| 2.20                                                              | Density (g/cm³):                                             |
| 0.52 (+5 to +35°C)<br>0.57 (0 to +200°C)<br>0.48 (-100 to +200°C) | Coefficient of Thermal Expansion CTE (10 <sup>-6</sup> /°C): |
| 7980 0G                                                           | Fused Silica Grade:                                          |

Regulatory Compliance

|                           |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">View</a>      | Certificate of Conformance: |
| <a href="#">Compliant</a> | Reach 235:                  |

## Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

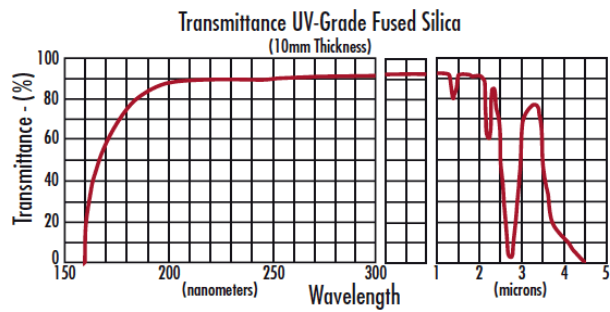
Product Details

- Available Uncoated or with Broadband Anti-Reflection Coatings
- Ideal for Cost Sensitive Broadband Applications
- Circular and Square Sizes from 5mm to 100mm
- $\lambda/4$  or  $\lambda/10$  UV Fused Silica Windows Also Available

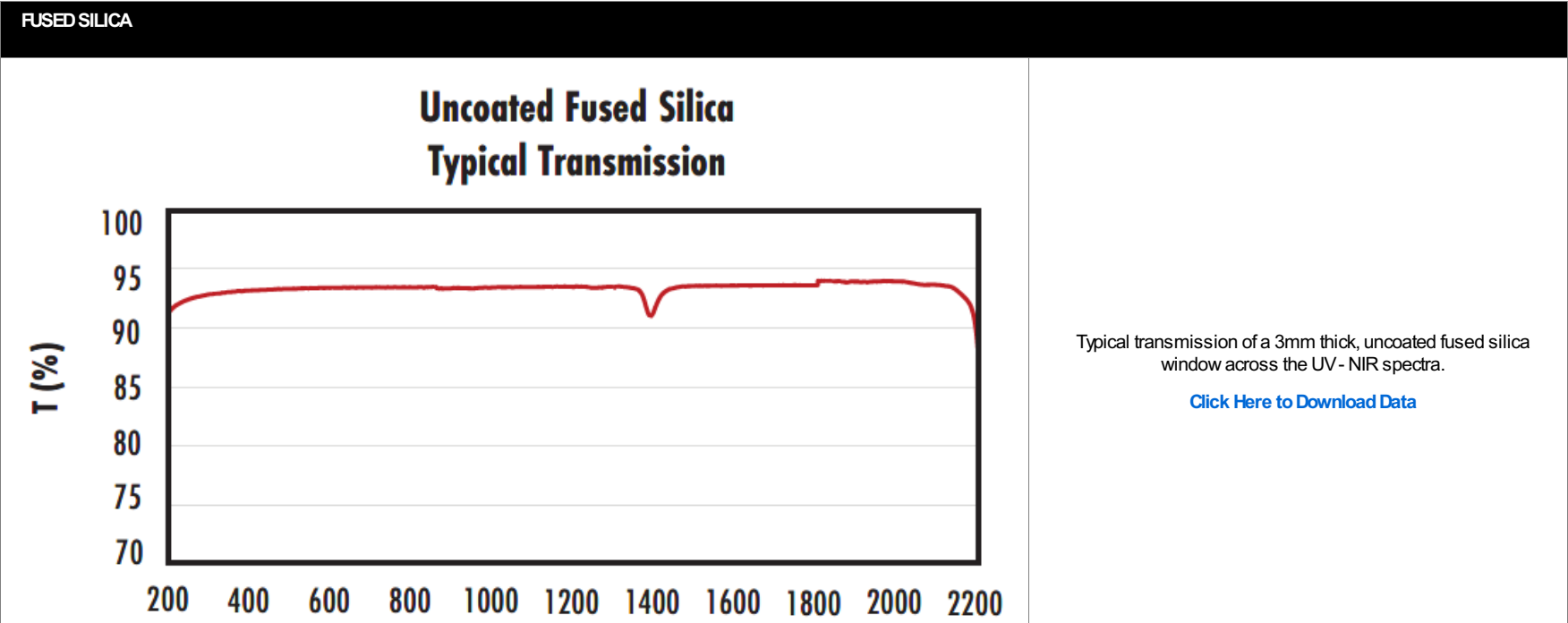
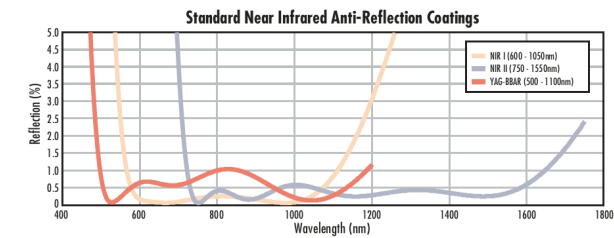
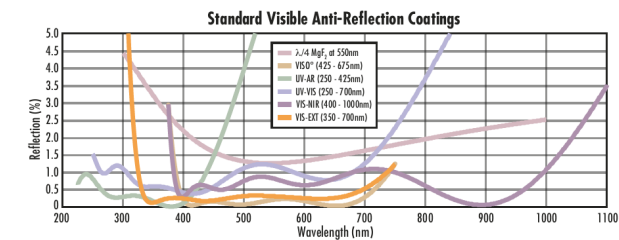
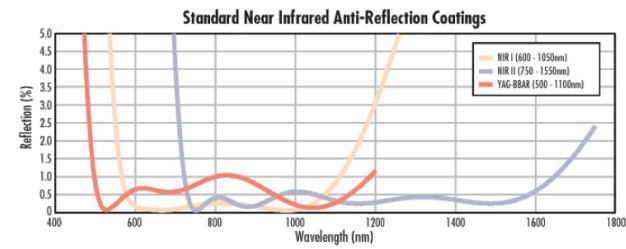
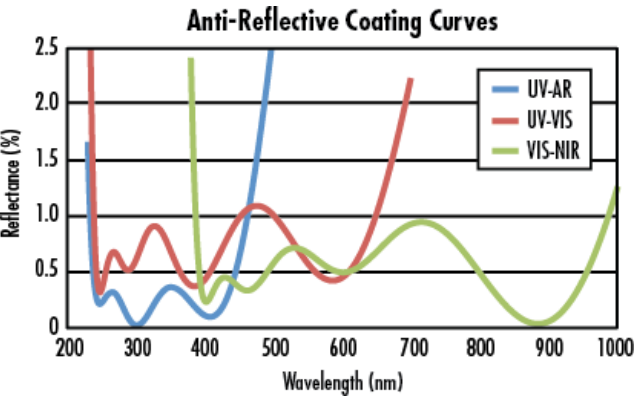
TECHSPEC® 1λ UV Fused Silica Windows are precision manufactured using UV-grade synthetic fused silica. In addition to superior transmission, the synthetic fused silica of these optical windows exhibits higher thermal properties, exceptional purity, and excellent environmental durability for demanding applications. The windows are ideal for cost-sensitive broadband applications and are available uncoated or with broadband anti-reflection coatings. TECHSPEC® 1λ UV Fused Silica Windows have circular and square sizes ranging from 5mm to 100mm.  $\lambda/4$  or  $\lambda/10$  UV Fused Silica Windows are also available.

**Note:** New additions to this product family may be specified with a transmitted wavefront distortion (TWD) specification instead of a surface flatness. For more information on the difference between these two specifications, see our application note on [Understanding Optical Windows](#).

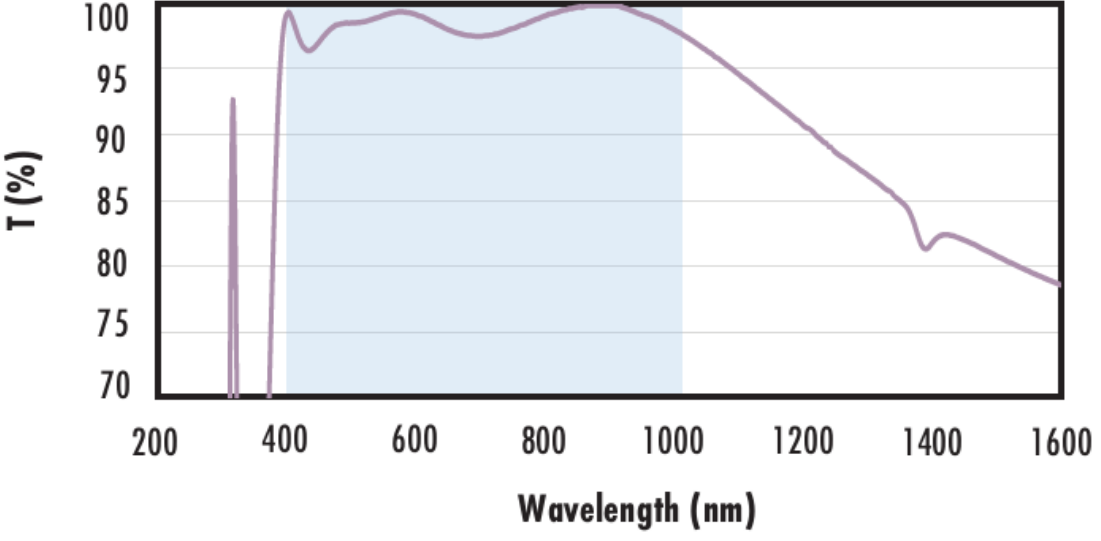
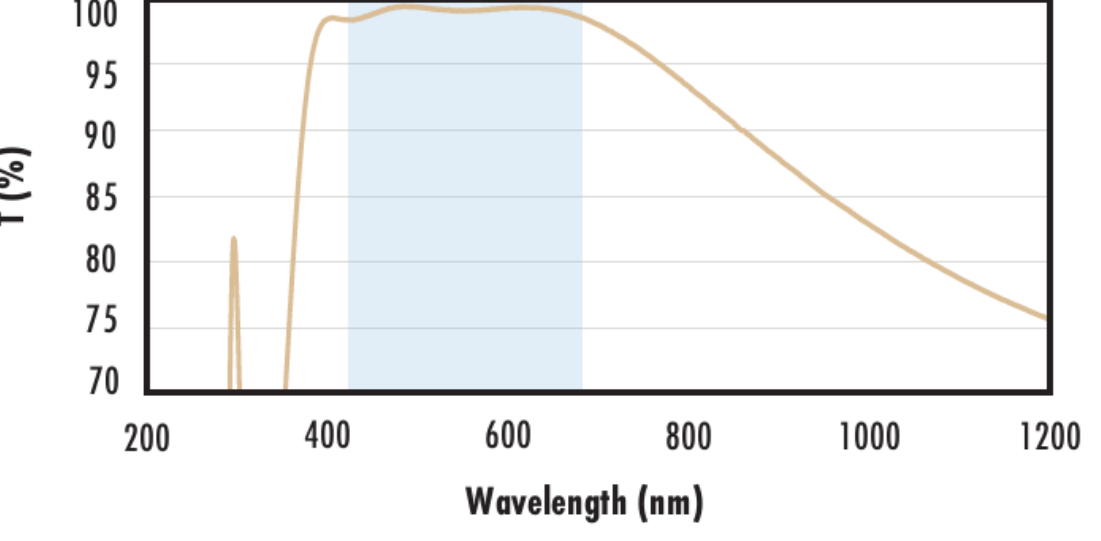
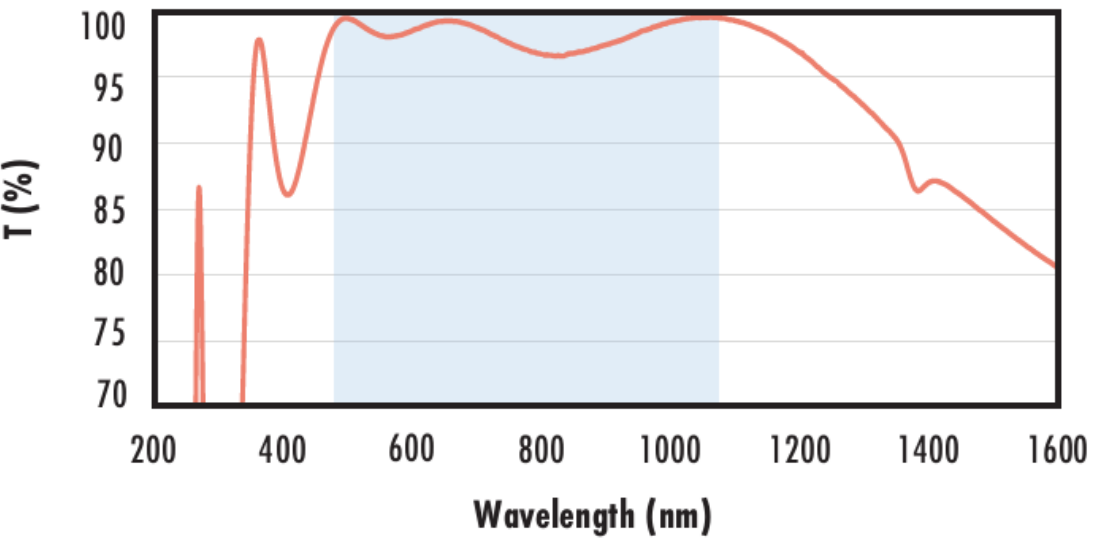
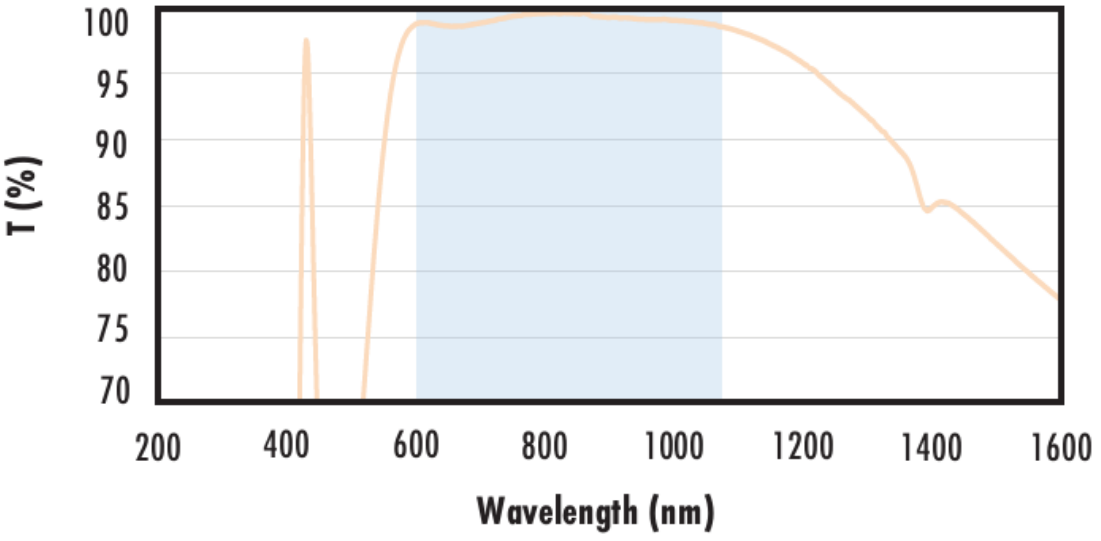
Technical Information

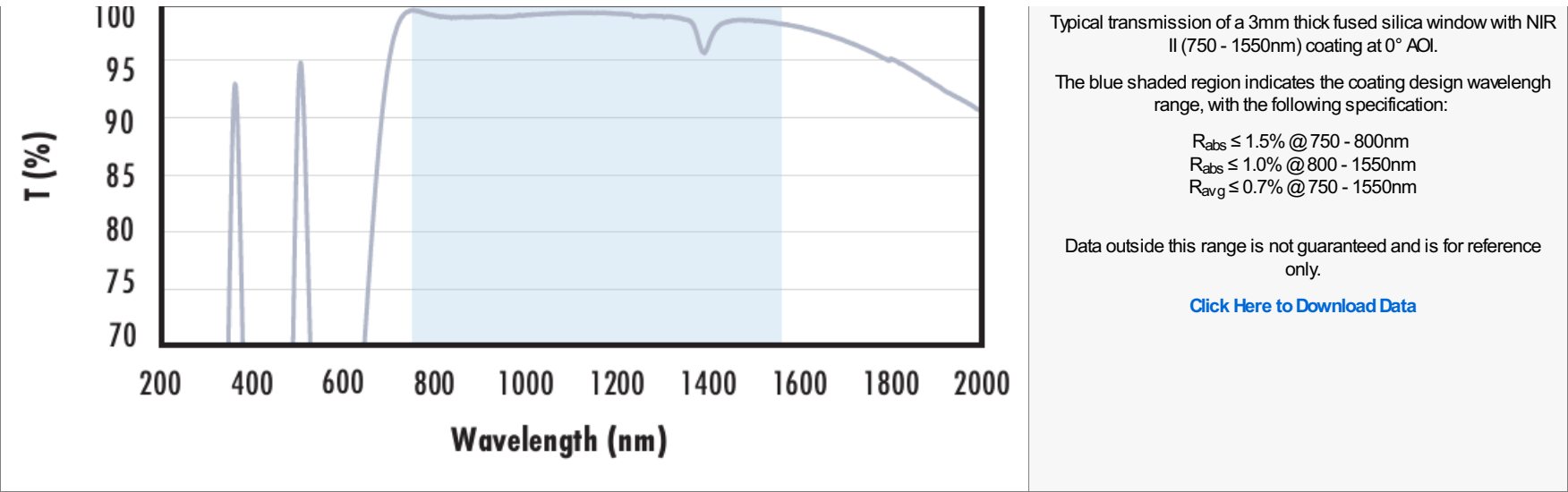


UV FS Transmission Curve



| Wavelength (nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|-----|----|-----|----|-----|----|-----|----|------|----|------|----|------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|----|------|----|------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Fused Silica with MgF<sub>2</sub> Coating<br/>Typical Transmission</div> <p>This graph shows the typical transmission spectrum for fused silica with an MgF<sub>2</sub> coating. The x-axis represents wavelength in nanometers (nm) from 200 to 2200, and the y-axis represents transmittance T (%) from 70 to 100. A blue shaded region indicates the design range from approximately 380 nm to 720 nm. The transmission is relatively flat at about 96% across this range, with minor dips around 1400 nm and 1800 nm.</p> <table border="1"><thead><tr><th>Wavelength (nm)</th><th>T (%)</th></tr></thead><tbody><tr><td>200</td><td>94</td></tr><tr><td>400</td><td>96</td></tr><tr><td>600</td><td>96</td></tr><tr><td>800</td><td>96</td></tr><tr><td>1000</td><td>96</td></tr><tr><td>1200</td><td>96</td></tr><tr><td>1400</td><td>93</td></tr><tr><td>1600</td><td>95</td></tr><tr><td>1800</td><td>95</td></tr><tr><td>2000</td><td>95</td></tr><tr><td>2200</td><td>85</td></tr></tbody></table> | Wavelength (nm) | T (%) | 200 | 94 | 400 | 96 | 600 | 96 | 800 | 96 | 1000 | 96 | 1200 | 96 | 1400 | 93 | 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 95 | 1800 | 95 | 2000 | 95 | 2200 | 85 | <p>Typical transmission of a 3mm thick fused silica window with MgF<sub>2</sub> (400-700nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p>R<sub>avg</sub> ≤ 1.75% @ 400 - 700nm (N-BK7)</p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p> |
| Wavelength (nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | T (%)           |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 94              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 96              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 96              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 96              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 96              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 96              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 93              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 95              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 95              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 95              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 85              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <div>Fused Silica with UV-AR Coating<br/>Typical Transmission</div> <p>This graph shows the typical transmission spectrum for fused silica with a UV-antireflective (UV-AR) coating. The x-axis ranges from 200 to 1200 nm, and the y-axis ranges from 70 to 100%. The blue shaded design range is from approximately 250 nm to 425 nm. Transmission is near 100% in this range and begins to drop significantly after 600 nm.</p> <table border="1"><thead><tr><th>Wavelength (nm)</th><th>T (%)</th></tr></thead><tbody><tr><td>200</td><td>70</td></tr><tr><td>250</td><td>98</td></tr><tr><td>400</td><td>99</td></tr><tr><td>600</td><td>90</td></tr><tr><td>800</td><td>78</td></tr><tr><td>1000</td><td>75</td></tr><tr><td>1200</td><td>77</td></tr></tbody></table>                                                                                                                                                                                                                                      | Wavelength (nm) | T (%) | 200 | 70 | 250 | 98 | 400 | 99 | 600 | 90 | 800  | 78 | 1000 | 75 | 1200 | 77 | <p>Typical transmission of a 3mm thick fused silica window with UV-AR (250-425nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p>R<sub>abs</sub> ≤ 1.0% @ 250 - 425nm<br/>R<sub>avg</sub> ≤ 0.75% @ 250 - 425nm<br/>R<sub>avg</sub> ≤ 0.5% @ 370 - 420nm</p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p> |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Wavelength (nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | T (%)           |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 70              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 98              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 99              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 90              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 78              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 75              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 77              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <div>Fused Silica with UV-VIS Coating<br/>Typical Transmission</div> <p>This graph shows the typical transmission spectrum for fused silica with a UV-visible (UV-VIS) antireflective coating. The x-axis ranges from 200 to 1200 nm, and the y-axis ranges from 70 to 100%. The blue shaded design range is from approximately 250 nm to 700 nm. Transmission remains above 95% throughout this broad range before decreasing at longer wavelengths.</p> <table border="1"><thead><tr><th>Wavelength (nm)</th><th>T (%)</th></tr></thead><tbody><tr><td>200</td><td>70</td></tr><tr><td>300</td><td>97</td></tr><tr><td>400</td><td>98</td></tr><tr><td>600</td><td>99</td></tr><tr><td>800</td><td>85</td></tr><tr><td>1000</td><td>78</td></tr><tr><td>1200</td><td>77</td></tr></tbody></table>                                                                                                                                                                                                               | Wavelength (nm) | T (%) | 200 | 70 | 300 | 97 | 400 | 98 | 600 | 99 | 800  | 85 | 1000 | 78 | 1200 | 77 | <p>Typical transmission of a 3mm thick fused silica window with UV-VIS (250-700nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p>R<sub>abs</sub> ≤ 1.0% @ 350 - 450nm<br/>R<sub>avg</sub> ≤ 1.5% @ 250 - 700nm</p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p>                                          |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Wavelength (nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | T (%)           |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 70              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 97              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 98              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 99              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 85              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 78              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 77              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <div>Fused Silica with VIS-EXT Coating<br/>Typical Transmission</div> <p>This graph shows the typical transmission spectrum for fused silica with a visible-to-exterior (VIS-EXT) antireflective coating. The x-axis ranges from 200 to 1200 nm, and the y-axis ranges from 70 to 100%. The blue shaded design range is from approximately 350 nm to 700 nm. Transmission is very high (near 100%) within this range and starts to decline after 800 nm.</p> <table border="1"><thead><tr><th>Wavelength (nm)</th><th>T (%)</th></tr></thead><tbody><tr><td>200</td><td>70</td></tr><tr><td>350</td><td>95</td></tr><tr><td>500</td><td>99</td></tr><tr><td>700</td><td>99</td></tr><tr><td>800</td><td>95</td></tr><tr><td>1000</td><td>85</td></tr><tr><td>1200</td><td>77</td></tr></tbody></table>                                                                                                                                                                                                            | Wavelength (nm) | T (%) | 200 | 70 | 350 | 95 | 500 | 99 | 700 | 99 | 800  | 95 | 1000 | 85 | 1200 | 77 | <p>Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p>R<sub>avg</sub> ≤ 0.5% @ 350 - 700nm</p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Wavelength (nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | T (%)           |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 70              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 95              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 99              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 700                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 99              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 95              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 85              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 77              |       |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Fused Silica with VIS-NIR Coating</div><div>Typical Transmission</div><div></div></div>    | <div><div>Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.</div><div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div><div><div><math>R_{abs} \leq 0.25\% \text{ @ } 880\text{nm}</math><math>R_{avg} \leq 1.25\% \text{ @ } 400 - 870\text{nm}</math><math>R_{avg} \leq 1.25\% \text{ @ } 890 - 1000\text{nm}</math></div></div><div>Data outside this range is not guaranteed and is for reference only.</div><div><a href="#">Click Here to Download Data</a></div></div> |
| <div><div>Fused Silica with VIS 0° Coating</div><div>Typical Transmission</div><div></div></div>    | <div><div>Typical transmission of a 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.</div><div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div><div><div><math>R_{avg} \leq 0.4\% \text{ @ } 425 - 675\text{nm}</math></div></div><div>Data outside this range is not guaranteed and is for reference only.</div><div><a href="#">Click Here to Download Data</a></div></div>                                                                                                                           |
| <div><div>Fused Silica with YAG-BBAR Coating</div><div>Typical Transmission</div><div></div></div> | <div><div>Typical transmission of a 3mm thick fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.</div><div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div><div><div><math>R_{abs} \leq 0.25\% \text{ @ } 532\text{nm}</math><math>R_{abs} \leq 0.25\% \text{ @ } 1064\text{nm}</math><math>R_{avg} \leq 1.0\% \text{ @ } 500 - 1100\text{nm}</math></div></div><div>Data outside this range is not guaranteed and is for reference only.</div><div><a href="#">Click Here to Download Data</a></div></div>      |
| <div><div>Fused Silica with NIR I Coating</div><div>Typical Transmission</div><div></div></div>    | <div><div>Typical transmission of a 3mm thick fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.</div><div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div><div><div><math>R_{avg} \leq 0.5\% \text{ @ } 600 - 1050\text{nm}</math></div></div><div>Data outside this range is not guaranteed and is for reference only.</div><div><a href="#">Click Here to Download Data</a></div></div>                                                                                                                        |
| <div><div>Fused Silica with NIR II Coating</div><div>Typical Transmission</div></div>                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



Compatible Mounts