

TECHSPEC<sup>®</sup> 25.0mm Dia. x -250 FL, Uncoated, UV Plano-Concave Lens



UV Fused Silica Plano-Concave (PCV) Lenses



Stock **#48-320** **16 In Stock**  
[Other Coating Options](#)

-

1

+

C\$196<sup>00</sup>

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| Volume Pricing |                               |
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| Qty 1-5        | C\$196.00 each                |
| Qty 6-25       | C\$156.80 each                |
| Qty 26-49      | C\$148.40 each                |
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Product Downloads

| General                    |       |
|----------------------------|-------|
| Plano-Concave Lens         | Type: |
| Max. Flat Annulus is 0.3mm | Note: |

| Physical & Mechanical Properties |                                  |
|----------------------------------|----------------------------------|
| 25.00 +0.0/-0.025                | Diameter (mm):                   |
| 2.50                             | Center Thickness CT (mm):        |
| ±0.10                            | Center Thickness Tolerance (mm): |
| <1                               | Centering (arcmin):              |
| 24                               | Clear Aperture CA (mm):          |
| 3.15                             | Edge Thickness ET (mm):          |

| Optical Properties                          |                                             |
|---------------------------------------------|---------------------------------------------|
| -250.00                                     | Effective Focal Length EFL (mm):            |
| <a href="#">Fused Silica</a> (Corning 7980) | Substrate: <input type="checkbox"/>         |
| 10.00                                       | f/#:                                        |
| 0.05                                        | Numerical Aperture NA:                      |
| Uncoated                                    | Coating:                                    |
| 200 - 2200                                  | Wavelength Range (nm):                      |
| -251.71                                     | Back Focal Length BFL (mm):                 |
| 587.6                                       | Focal Length Specification Wavelength (nm): |
| ±1                                          | Focal Length Tolerance (%):                 |
| -114.61                                     | Radius R <sub>1</sub> (mm):                 |
| 40-20                                       | Surface Quality:                            |
| 1.5λ                                        | Power (P-V) @ 632.8nm:                      |
| λ/4                                         | Irregularity (P-V) @ 632.8nm:               |

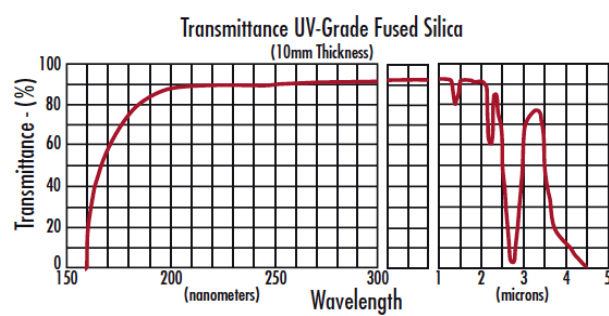
| Regulatory Compliance     |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">Compliant</a> | Reach 224:                  |
| <a href="#">View</a>      | Certificate of Conformance: |

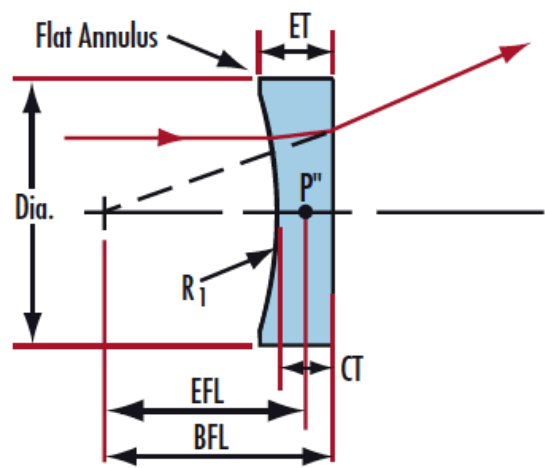
## Product Details

- Negative Focal Lengths for Beam Expansion or Light Projection Applications
- Wavelength Range of 200 - 2200nm
- Popular UV-AR Coating Option Available

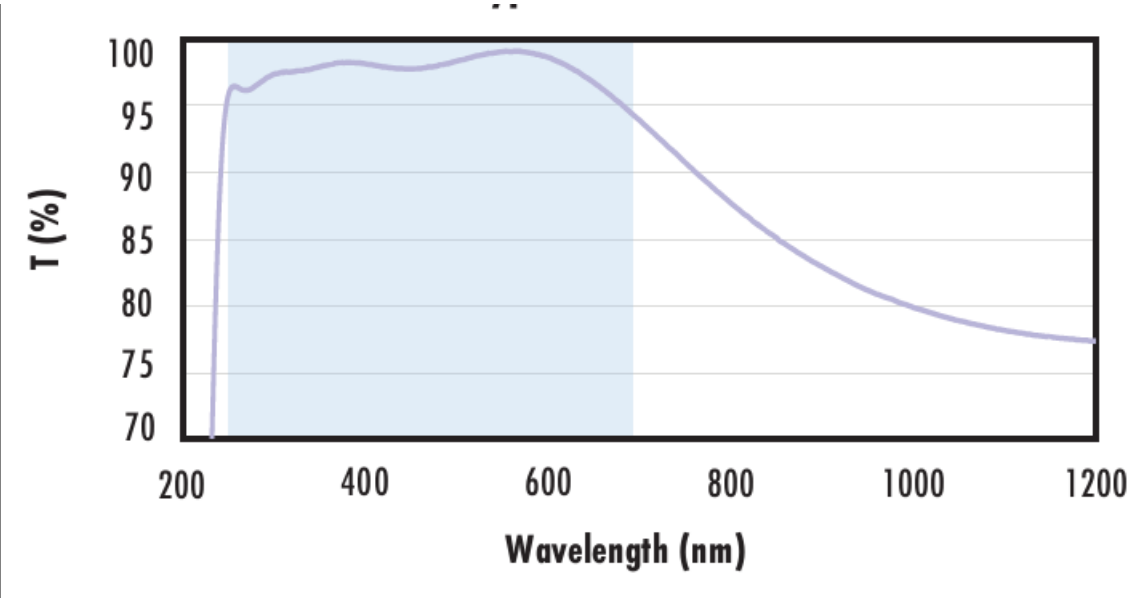
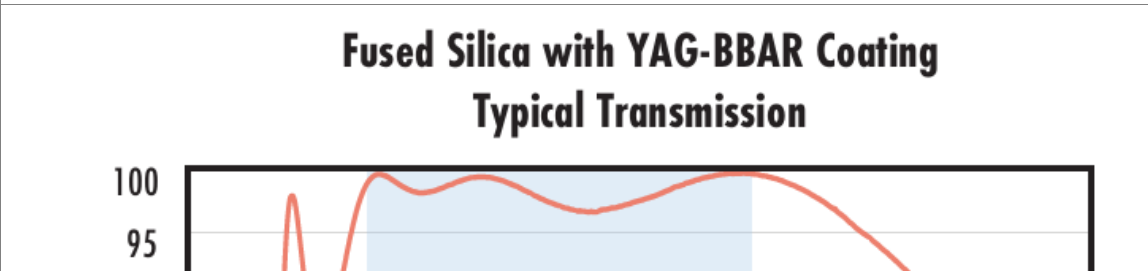
TECHSPEC® UV Fused Silica Plano-Concave (PCV) Lenses are high performance UV optic elements, manufactured utilizing state of the art CNC equipment. Zygo's GPI-XP Interferometer is used to assure the surface accuracy and performance of these UV optics. UV Grade lenses are precision manufactured using research-grade synthetic fused silica. In addition to providing excellent transmission characteristics and higher operating temperatures, synthetic fused silica also exhibits an exceptional inclusion specification and chemical purity. TECHSPEC® UV Fused Silica Plano-Concave (PCV) Lenses are an ideal choice for many laser and imaging applications, particularly those involving ultraviolet wavelengths. A broadband anti-reflection coating is available for optimized throughput in the ultraviolet spectrum.

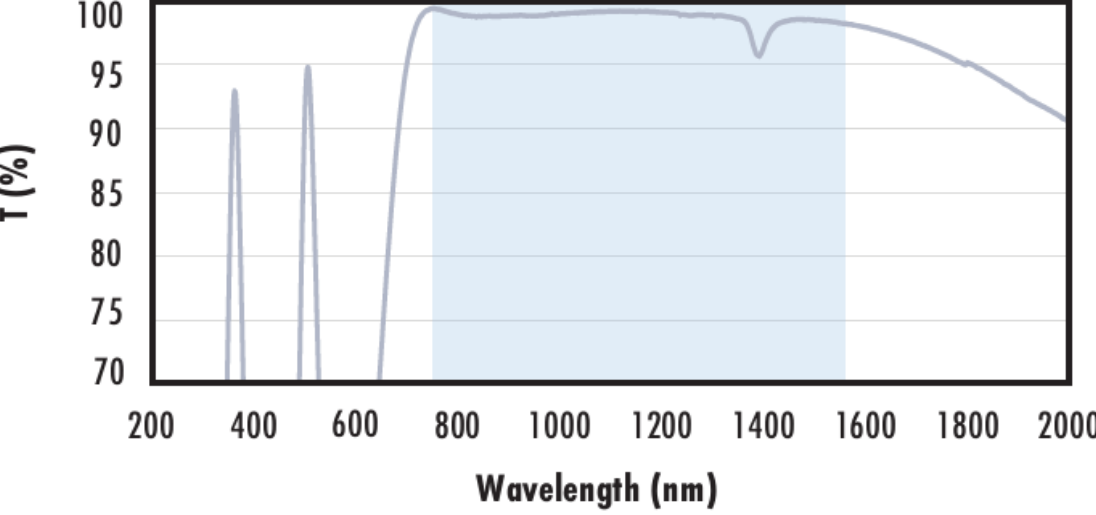
## Technical Information





| FUSED SILICA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|-----|----|-----|----|-----|----|-----|----|------|----|------|----|------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|----|------|----|------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Uncoated Fused Silica<br/>Typical Transmission</div><div><table><caption>Uncoated Fused Silica Typical Transmission Data (Approximate)</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr></thead><tbody><tr><td>200</td><td>92</td></tr><tr><td>400</td><td>94</td></tr><tr><td>600</td><td>94</td></tr><tr><td>800</td><td>94</td></tr><tr><td>1000</td><td>94</td></tr><tr><td>1200</td><td>94</td></tr><tr><td>1400</td><td>92</td></tr><tr><td>1600</td><td>94</td></tr><tr><td>1800</td><td>94</td></tr><tr><td>2000</td><td>94</td></tr><tr><td>2200</td><td>90</td></tr></tbody></table></div></div>                                         | Wavelength (nm)    | Transmission T (%) | 200 | 92 | 400 | 94 | 600 | 94 | 800 | 94 | 1000 | 94 | 1200 | 94 | 1400 | 92 | 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 94 | 1800 | 94 | 2000 | 94 | 2200 | 90 | <p>Typical transmission of a 3mm thick, uncoated fused silica window across the UV - NIR spectra.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                                                                                                       |
| Wavelength (nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Transmission T (%) |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 92                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 92                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 90                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <div><div>Fused Silica with MgF<sub>2</sub> Coating<br/>Typical Transmission</div><div><table><caption>Fused Silica with MgF<sub>2</sub> Coating Typical Transmission Data (Approximate)</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr></thead><tbody><tr><td>200</td><td>92</td></tr><tr><td>400</td><td>94</td></tr><tr><td>600</td><td>94</td></tr><tr><td>800</td><td>94</td></tr><tr><td>1000</td><td>94</td></tr><tr><td>1200</td><td>94</td></tr><tr><td>1400</td><td>92</td></tr><tr><td>1600</td><td>94</td></tr><tr><td>1800</td><td>94</td></tr><tr><td>2000</td><td>94</td></tr><tr><td>2200</td><td>90</td></tr></tbody></table></div></div> | Wavelength (nm)    | Transmission T (%) | 200 | 92 | 400 | 94 | 600 | 94 | 800 | 94 | 1000 | 94 | 1200 | 94 | 1400 | 92 | 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 94 | 1800 | 94 | 2000 | 94 | 2200 | 90 | <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><math>R_{avg} \leq 1.75\% @ 400 - 700nm</math> (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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Transmission T (%) |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 92                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 92                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 94                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 90                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <div><div>Fused Silica with UV-AR Coating<br/>Typical Transmission</div><div><table><caption>Fused Silica with UV-AR Coating Typical Transmission Data (Approximate)</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission 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>98</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>76</td></tr></tbody></table></div></div>                                                                                                                                                          | Wavelength (nm)    | Transmission T (%) | 200 | 70 | 250 | 98 | 400 | 98 | 600 | 90 | 800  | 78 | 1000 | 75 | 1200 | 76 | <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><math>R_{abs} \leq 1.0\% @ 250 - 425nm</math><br/><math>R_{avg} \leq 0.75\% @ 250 - 425nm</math><br/><math>R_{avg} \leq 0.5\% @ 370 - 420nm</math></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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Transmission T (%) |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 70                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 98                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 98                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 90                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 78                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 75                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 76                 |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <div><div>Fused Silica with UV-VIS Coating<br/>Typical Transmission</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                    |     |    |     |    |     |    |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |

|                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                      | <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><math>R_{abs} \leq 1.0\%</math> @ 350 - 450nm<br/><math>R_{avg} \leq 1.5\%</math> @ 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>                                                   |
| <p><b>Fused Silica with VIS-EXT Coating</b><br/><b>Typical Transmission</b></p>    | <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><math>R_{avg} \leq 0.5\%</math> @ 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>                                                                                                    |
| <p><b>Fused Silica with VIS-NIR Coating</b><br/><b>Typical Transmission</b></p>   | <p>Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{abs} \leq 0.25\%</math> @ 880nm<br/><math>R_{avg} \leq 1.25\%</math> @ 400 - 870nm<br/><math>R_{avg} \leq 1.25\%</math> @ 890 - 1000nm</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> |
| <p><b>Fused Silica with VIS 0° Coating</b><br/><b>Typical Transmission</b></p>    | <p>Typical transmission of a 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{avg} \leq 0.4\%</math> @ 425 - 675nm</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>                                                                                                     |
| <p><b>Fused Silica with YAG-BBAR Coating</b><br/><b>Typical Transmission</b></p>  | <p>Typical transmission of a 3mm thick fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p>                                                                                                                                                                                                                                                                                      |

|                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                    | <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{abs} \leq 0.25\%</math> @ 532nm<br/><math>R_{abs} \leq 0.25\%</math> @ 1064nm<br/><math>R_{avg} \leq 1.0\%</math> @ 500 - 1100nm</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>                                                                                                                        |
| <p><b>Fused Silica with NIR I Coating</b><br/><b>Typical Transmission</b></p>    | <p>Typical transmission of a 3mm thick fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{avg} \leq 0.5\%</math> @ 600 - 1050nm</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>                                                                                                       |
| <p><b>Fused Silica with NIR II Coating</b><br/><b>Typical Transmission</b></p>  | <p>Typical transmission of a 3mm thick fused silica window with NIR II (750 - 1550nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{abs} \leq 1.5\%</math> @ 750 - 800nm<br/><math>R_{abs} \leq 1.0\%</math> @ 800 - 1550nm<br/><math>R_{avg} \leq 0.7\%</math> @ 750 - 1550nm</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> |

## Custom

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](#).

## Compatible Mounts