

TECHSPEC<sup>®</sup>

Doppelkonvexe Linse aus UV-Quarzglas, 25 mm D. x 250 mm eff. BW, UV-AR-beschichtet



UV Fused Silica Double-Convex (DCX) Lenses



Produkt **#48-312** **6 In Stock**

[Andere Beschichtungen](#)

-

1

+

€159<sup>00</sup>

+ WARENKORB

| Mengenrabatte |                                 |
|---------------|---------------------------------|
| Stk. 1-5      | €159,00 stückpreis              |
| Stk. 6-25     | €127,00 stückpreis              |
| Stk. 26-49    | €119,00 stückpreis              |
| Need More?    | <a href="#">Angebotsanfrage</a> |

**i** Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

| Produktdetails     |      |
|--------------------|------|
| Double-Convex Lens | Typ: |
|                    |      |
|                    |      |

Physikalische und mechanische Eigenschaften

|                      |                             |
|----------------------|-----------------------------|
| 25.00 +0.0/-0.025    | Durchmesser (mm):           |
| <1                   | Zentrierung (Bogenminuten): |
| Protective as needed | Fase:                       |
| 3.21 ±0.10           | Mittendicke CT (mm):        |
| 2.53                 | Randdicke ET (mm):          |
| 24.00                | Freie Apertur CA (mm):      |

Optische Eigenschaften

|                                                                                                                       |                                                     |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| 248.90                                                                                                                | Hintere Brennweite BFL (mm):                        |
| 250.00                                                                                                                | Effektive Brennweite EFL (mm):                      |
| UV-AR (250-425nm)                                                                                                     | Beschichtung:                                       |
| 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 | Beschichtungsspezifikation:                         |
| Fused Silica (Corning 7980)                                                                                           | Substrat: <input type="checkbox"/>                  |
| 40-20                                                                                                                 | Oberflächenqualität:                                |
| 1.5λ                                                                                                                  | Power (P-V) @ 632,8 nm:                             |
| λ/4                                                                                                                   | Unregelmäßigkeit (P-V) @ 632,8 nm:                  |
| 228.73                                                                                                                | Radius R <sub>1</sub> =R <sub>2</sub> (mm):         |
| 10.00                                                                                                                 | Blende:                                             |
| 587.6                                                                                                                 | Designwellenlänge Brennweite (nm):                  |
| ±1                                                                                                                    | Toleranz Brennweite (%):                            |
| 0.05                                                                                                                  | Numerische Apertur NA:                              |
| 250 - 425                                                                                                             | Wellenlängenbereich (nm):                           |
| 3 J/cm² @ 355nm, 10ns                                                                                                 | Zerstörschwelle, Referenz: <input type="checkbox"/> |

Konformität mit Standards

|          |                         |
|----------|-------------------------|
| Konform  | RoHS 2015:              |
| Anzeigen | Konformitätszertifikat: |
| Konform  | Reach 235:              |

Produktdetails

- Ideal für die Bildgebung
  - Mnimieren Aberrationen wie sphärische Aberration oder Koma
  - Präzises Substrat aus Quarzglas
- Die TECHSPEC® doppelkonvexen Linsen (DCX-Linsen) aus UV-Quarzglas, auch bikonvexe Linsen genannt, haben zwei positive, symmetrische Oberflächen mit gleichem Krümmungsradius auf beiden Seiten. Die Linsen werden generell für Bildgebungen mit endlichem Abstand und Konjugiertenverhältnis (Verhältnis zwischen Objekt- und Bildweite) zwischen 0,2 und 5 empfohlen. Bei einem Konjugiertenverhältnis von 1 sind Aberrationen wie sphärische Aberration, chromatische Aberration, Koma und Verzeichnung aufgrund des symmetrischen Linsendesigns minimiert oder sogar ganz eliminiert.

Technische Informationen



UV FS Transmission Curve

| FUSED SILICA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|-----|----|-----|----|-----|-----|-----|----|------|----|------|----|------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|----|------|----|------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Uncoated Fused Silica<br/>Typical Transmission</div><div><table border="1"><caption>Approximate data for Uncoated Fused Silica</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 | <div><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></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                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <div><div>Fused Silica with MgF<sub>2</sub> Coating<br/>Typical Transmission</div><div><table border="1"><caption>Approximate data for MgF2 Coated Fused Silica</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission 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>94</td></tr><tr><td>1600</td><td>96</td></tr><tr><td>1800</td><td>96</td></tr><tr><td>2000</td><td>96</td></tr><tr><td>2200</td><td>90</td></tr></tbody></table></div></div> | Wavelength (nm)    | Transmission T (%) | 200 | 94 | 400 | 96 | 600 | 96  | 800 | 96 | 1000 | 96 | 1200 | 96 | 1400 | 94 | 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 96 | 1800 | 96 | 2000 | 96 | 2200 | 90 | <div><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 - 700\text{nm}</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></div> |
| Wavelength (nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Transmission T (%) |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 94                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 96                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 96                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 96                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 96                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 96                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 94                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 96                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 96                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 96                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 2200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 90                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <div><div>Fused Silica with UV-AR Coating<br/>Typical Transmission</div><div><table border="1"><caption>Approximate data for UV-AR Coated Fused Silica</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>99</td></tr><tr><td>400</td><td>100</td></tr><tr><td>600</td><td>90</td></tr><tr><td>800</td><td>78</td></tr><tr><td>1000</td><td>76</td></tr><tr><td>1200</td><td>76</td></tr></tbody></table></div></div>                                                                                                                                              | Wavelength (nm)    | Transmission T (%) | 200 | 70 | 250 | 99 | 400 | 100 | 600 | 90 | 800  | 78 | 1000 | 76 | 1200 | 76 | <div><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 - 425\text{nm}</math><br/><math>R_{avg} \leq 0.75\% @ 250 - 425\text{nm}</math><br/><math>R_{avg} \leq 0.5\% @ 370 - 420\text{nm}</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></div> |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Wavelength (nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Transmission T (%) |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 70                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 99                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100                |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 90                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 78                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 76                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 76                 |                    |     |    |     |    |     |     |     |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |    |      |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div data-bbox="247 127 1285 765"><h3>Fused Silica with UV-VIS Coating<br/>Typical Transmission</h3></div>      | <div data-bbox="1325 290 1850 593"><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\% \text{ @ } 350 - 450\text{nm}</math><br/><math>R_{avg} \leq 1.5\% \text{ @ } 250 - 700\text{nm}</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></div>                                                                     |
| <div data-bbox="247 819 1285 1433"><h3>Fused Silica with VIS-EXT Coating<br/>Typical Transmission</h3></div>   | <div data-bbox="1325 994 1850 1249"><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\% \text{ @ } 350 - 700\text{nm}</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></div>                                                                                                                                     |
| <div data-bbox="247 1492 1285 2107"><h3>Fused Silica with VIS-NIR Coating<br/>Typical Transmission</h3></div> | <div data-bbox="1325 1632 1850 1955"><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\% \text{ @ } 880\text{nm}</math><br/><math>R_{avg} \leq 1.25\% \text{ @ } 400 - 870\text{nm}</math><br/><math>R_{avg} \leq 1.25\% \text{ @ } 890 - 1000\text{nm}</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></div> |
| <div data-bbox="247 2163 1285 2778"><h3>Fused Silica with VIS 0° Coating<br/>Typical Transmission</h3></div>  | <div data-bbox="1325 2338 1850 2594"><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\% \text{ @ } 425 - 675\text{nm}</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></div>                                                                                                                                     |
| <div data-bbox="247 2828 1285 2881"><h3>Fused Silica with YAG-BBAR Coating</h3></div>                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><h3>Typical Transmission</h3></div>                                        | <div><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><div><div><math>R_{abs} \leq 0.25\%</math> @ 532nm</div><div><math>R_{abs} \leq 0.25\%</math> @ 1064nm</div><div><math>R_{avg} \leq 1.0\%</math> @ 500 - 1100nm</div></div><p>Data outside this range is not guaranteed and is for reference only.</p><p><a href="#">Click Here to Download Data</a></p></div>           |
| <div><h3>Fused Silica with NIR I Coating<br/>Typical Transmission</h3></div>   | <div><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><div><math>R_{avg} \leq 0.5\%</math> @ 600 - 1050nm</div><p>Data outside this range is not guaranteed and is for reference only.</p><p><a href="#">Click Here to Download Data</a></p></div>                                                                                                                              |
| <div><h3>Fused Silica with NIR II Coating<br/>Typical Transmission</h3></div> | <div><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><div><div><math>R_{abs} \leq 1.5\%</math> @ 750 - 800nm</div><div><math>R_{abs} \leq 1.0\%</math> @ 800 - 1550nm</div><div><math>R_{avg} \leq 0.7\%</math> @ 750 - 1550nm</div></div><p>Data outside this range is not guaranteed and is for reference only.</p><p><a href="#">Click Here to Download Data</a></p></div> |

## Kundenspezifische Produkte

Edmund Optics bietet einen umfangreichen kundenspezifischen Fertigungsservice für Optik- und Bildverarbeitungskomponenten an, speziell hergestellt für Ihre Anwendungsanforderungen. Wir ermöglichen flexible Lösungen für Ihre Bedürfnisse – von der Prototypenphase bis zur Serienfertigung. Unsere erfahrenen IngenieurInnen freuen sich auf die Zusammenarbeit und unterstützen Sie bei jedem Projektschritt.

Unser Service beinhaltet:

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- Skalierbare Produktion – vom Prototypen zur Serie

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## Kompatible Halterungen