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TECHSPEC<sup>®</sup> Lentille Cylindrique PCV Qualité Laser 25,4 x 25,4 mm x -75 mm FL, UV-VIS



TECHSPEC Beam Shaping Fused Silica Cylinder Lenses

Stock **#36-114** 2 In Stock

-

1

+

€170<sup>.00</sup>

AJOUTER AU PANIER

| Prix sur Quantité |                                  |
|-------------------|----------------------------------|
| Qté 1-5           | €170,00 prix unitaire            |
| Qté 6-25          | €153,00 prix unitaire            |
| Qté 26-49         | €147,00 prix unitaire            |
| Need More?        | <a href="#">Demande de Devis</a> |

ⓘ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Cylinder Lens, Plano-Concave

Type:

Propriétés physiques et mécaniques

Protective as needed

Biseau:

Épaisseur Centrale CT (mm):

|               |                                    |
|---------------|------------------------------------|
| 3.00          |                                    |
| ±0.1          | Tolérance Épaisseur Centrale (mm): |
| 22.86 x 22.86 | Ouverture Utile CA (mm):           |
| +0.0/-0.025   | Tolérance Dimensionelle (mm):      |
| 25.4 x 25.4   | Dimensions (mm):                   |
| 5.31          | Épaisseur au Bord ET (mm):         |
| <3            | Torsion axiale (arcmin):           |

|                                                                              |                                    |
|------------------------------------------------------------------------------|------------------------------------|
| Propriétés optiques                                                          |                                    |
| -75.00                                                                       | Distance Focale EFL (mm):          |
| <a href="#">Fused Silica</a> (Corning 7980)                                  | Substrat: <input type="checkbox"/> |
| 3.00                                                                         | f#:                                |
| 0.17                                                                         | Ouverture Numérique NA:            |
| UV-VIS (250-700nm)                                                           | Traitement:                        |
| 350 - 700                                                                    | Gamme de Longueur d'Onde (nm):     |
| -77.06                                                                       | Distance Focale Arrière BFL (mm):  |
| R <sub>abs</sub> ≤1.0% @ 350 - 450nm<br>R <sub>avg</sub> ≤1.5% @ 250 - 700nm | Spécification du Traitement:       |
| 34.38                                                                        | Rayon R <sub>1</sub> (mm):         |
| 20-10                                                                        | Qualité de Surface:                |
| 1.5λ                                                                         | Power (P-V) @ 632.8nm:             |
| λ/4                                                                          | Irregularity (P-V) @ 632.8nm:      |
| <3                                                                           | Coin à Axe Plan (arcmin):          |
| <3                                                                           | Coin à Axe de Puissance (arcmin):  |

|                           |                             |
|---------------------------|-----------------------------|
| Conformité réglementaire  |                             |
| <a href="#">Conforme</a>  | RoHS 2015:                  |
| <a href="#">Visionner</a> | Certificate of Conformance: |
| <a href="#">Conforme</a>  | Reach 235:                  |

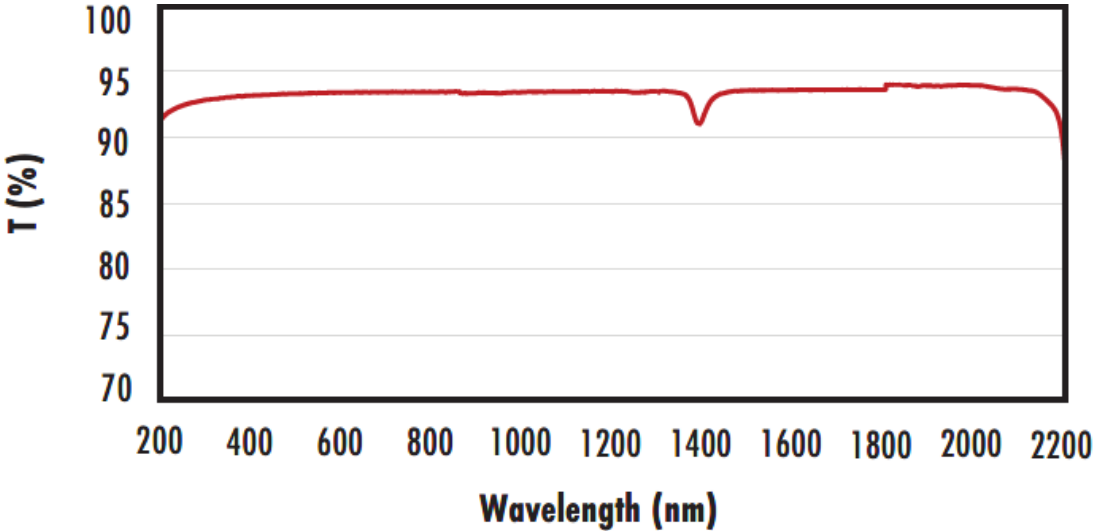
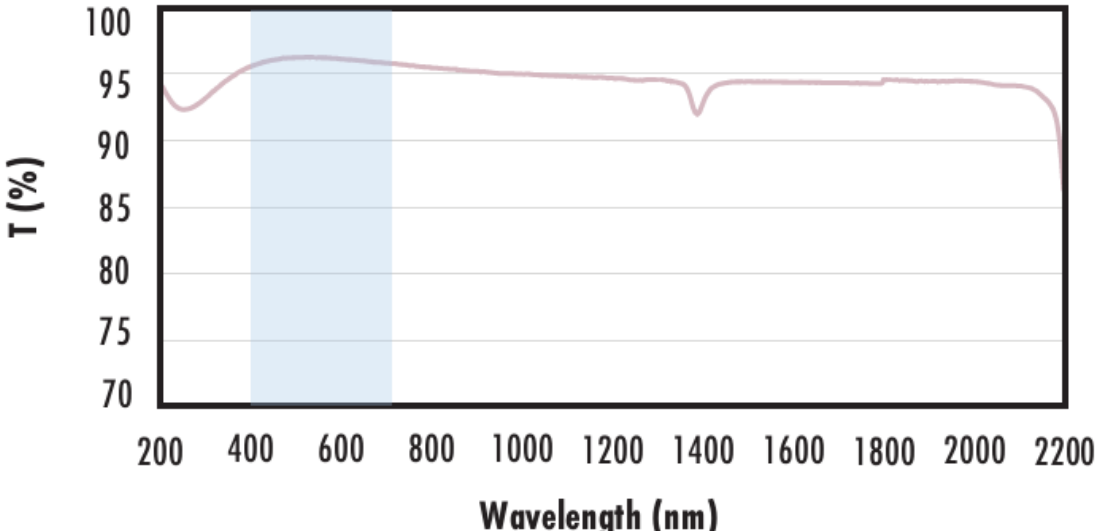
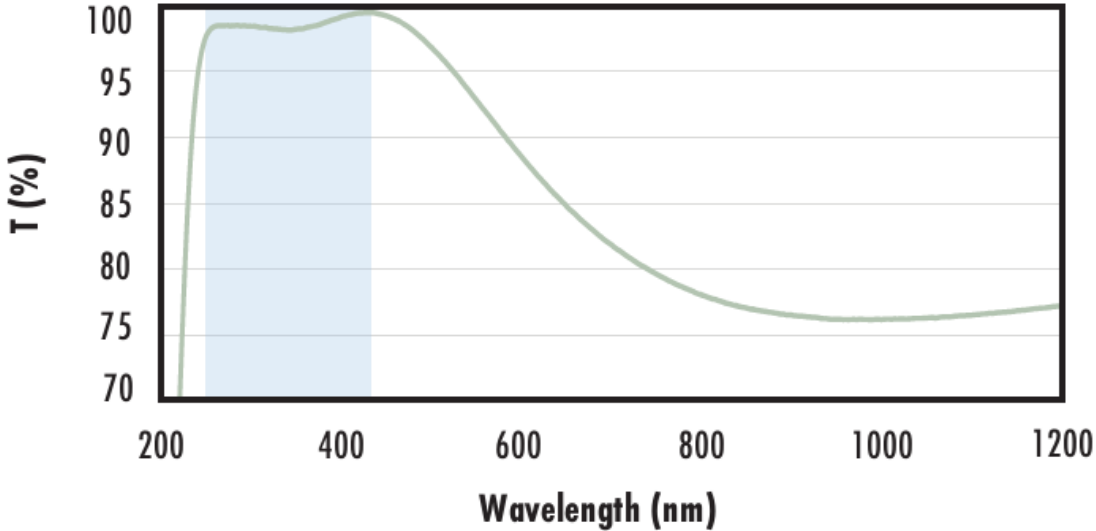
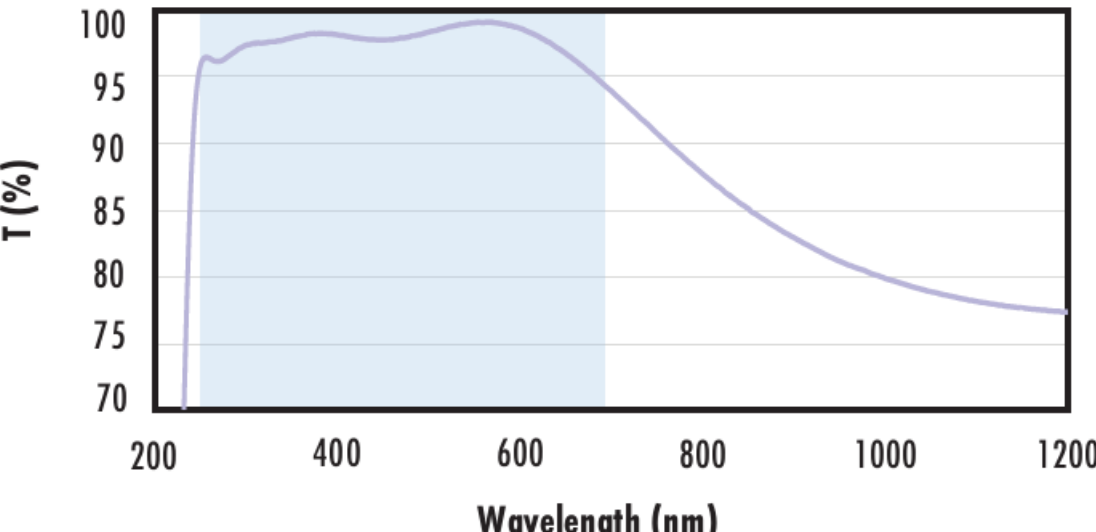
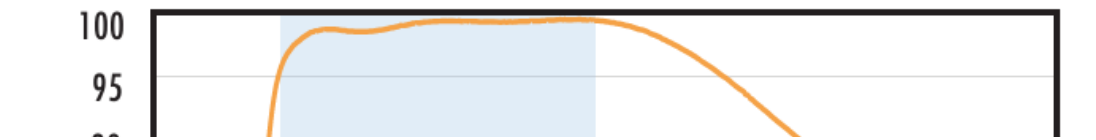
## Description produit

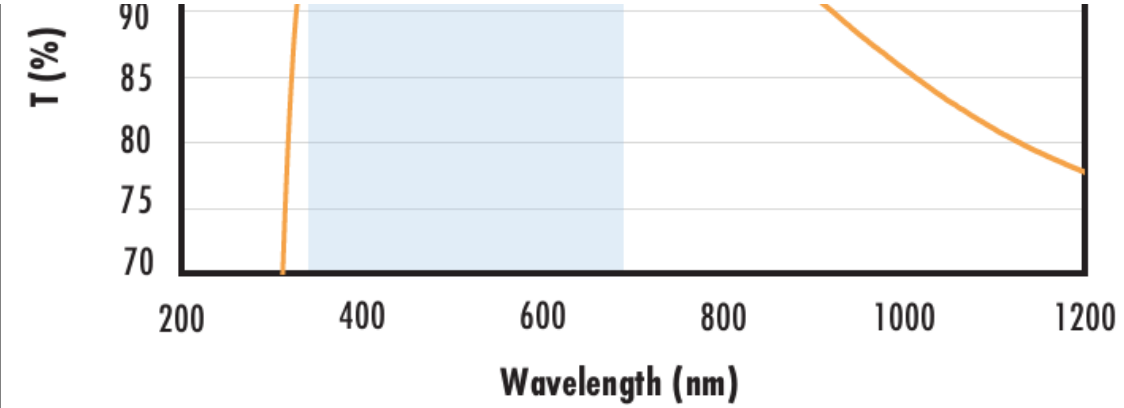
- Offre une Performance Supérieure de l'UV à l'IR
- Substrat en Silice Fondue
- Qualité de Surface Optiques Laser

Les Lentilles Cylindriques Qualité Laser à Large Bande TECHSPEC® présentent des spécifications de précision pour les applications les plus exigeantes. Ces lentilles sont fabriquées en silice fondue de qualité supérieure et sont conçues pour des applications laser avec une qualité de surface de 20-10. Les Lentilles Cylindriques Qualité Laser à Large Bande TECHSPEC® présentent des tolérances étroites, généralement inférieures à 3 arcmin dans toutes les dimensions. L'intégration de ces lentilles est facilitée par des facteurs de forme carrée permettant des options de montage pratiques.

## Informations techniques

| FUSED SILICA                                  |  |
|-----------------------------------------------|--|
| Uncoated Fused Silica<br>Typical Transmission |  |

|                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                            | <p>Typical transmission of an uncoated fused silica window across the UV - NIR spectra.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                                                                                                                                                                                                              |
| <p><b>Fused Silica with MgF<sub>2</sub> Coating</b><br/><b>Typical Transmission</b></p>  | <p>Typical transmission of a 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>                                                                                                 |
| <p><b>Fused Silica with UV-AR Coating</b><br/><b>Typical Transmission</b></p>           | <p>Typical transmission of a 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> |
| <p><b>Fused Silica with UV-VIS Coating</b><br/><b>Typical Transmission</b></p>          | <p>Typical transmission of a 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\% @ 350 - 450\text{nm}</math><br/><math>R_{avg} \leq 1.5\% @ 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>                                                          |
| <p><b>Fused Silica with VIS-EXT Coating</b><br/><b>Typical Transmission</b></p>         | <p>Typical transmission of a fused silica window with VIS-EXT (350-700nm) coating at 0° AOI.</p>                                                                                                                                                                                                                                                                                                                                                                                                                            |

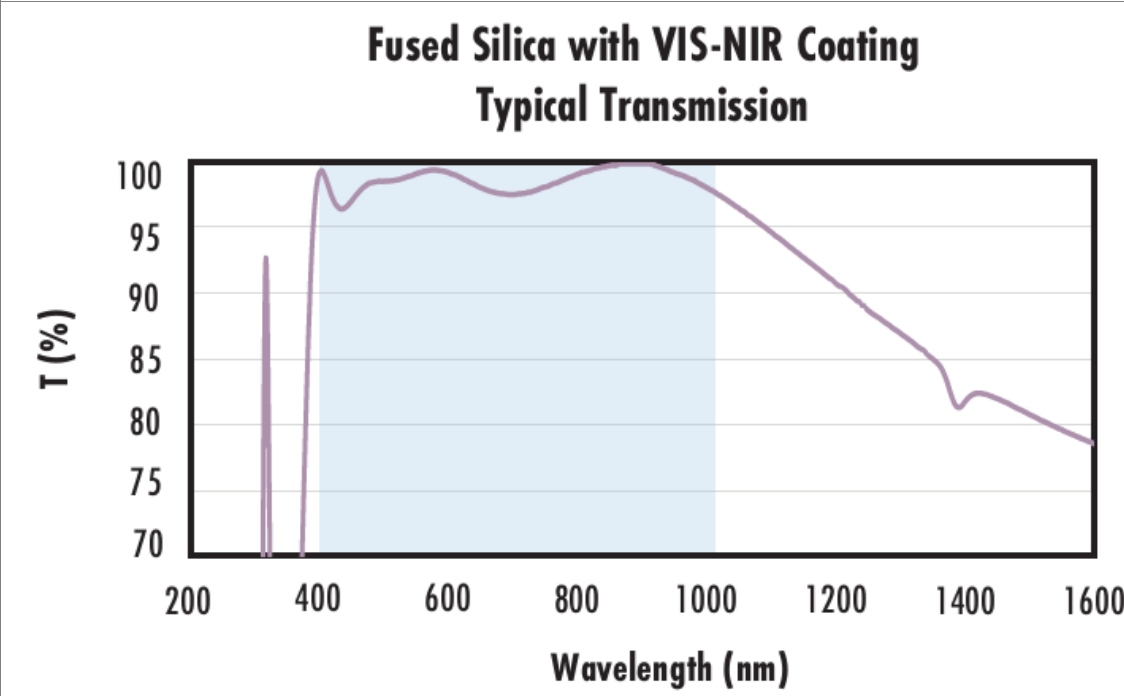


The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{avg} \leq 0.5\% @ 350 - 700\text{nm}$

Data outside this range is not guaranteed and is for reference only.

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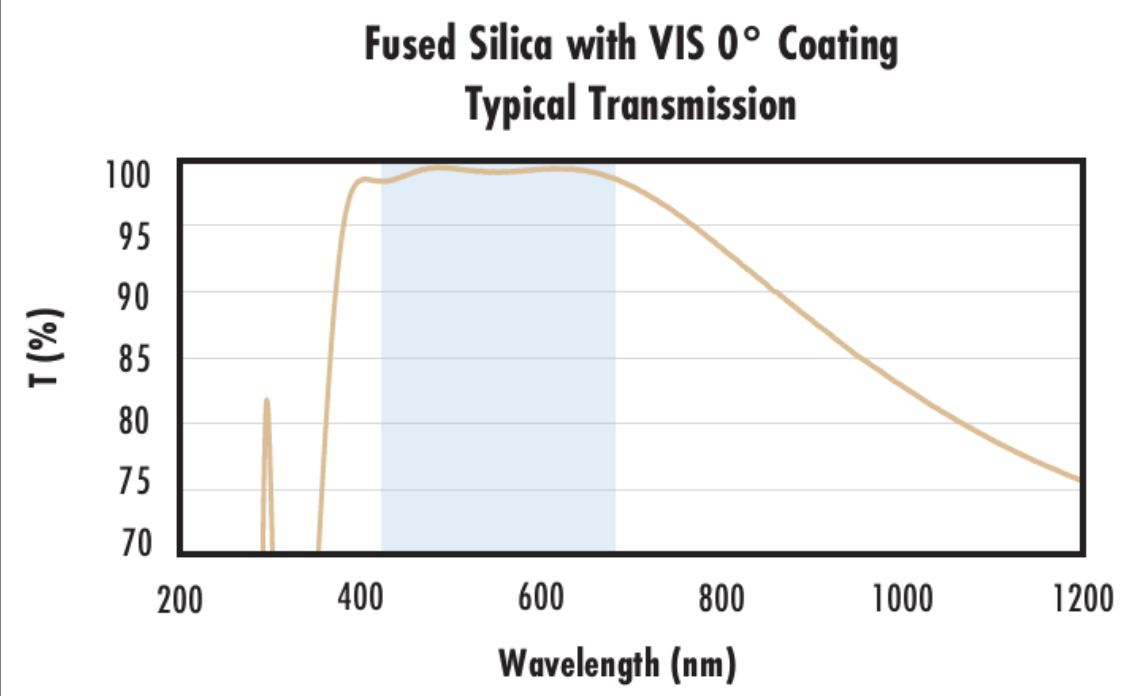
Typical transmission of a fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{abs} \leq 0.25\% @ 880\text{nm}$   
 $R_{avg} \leq 1.25\% @ 400 - 870\text{nm}$   
 $R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}$

Data outside this range is not guaranteed and is for reference only.

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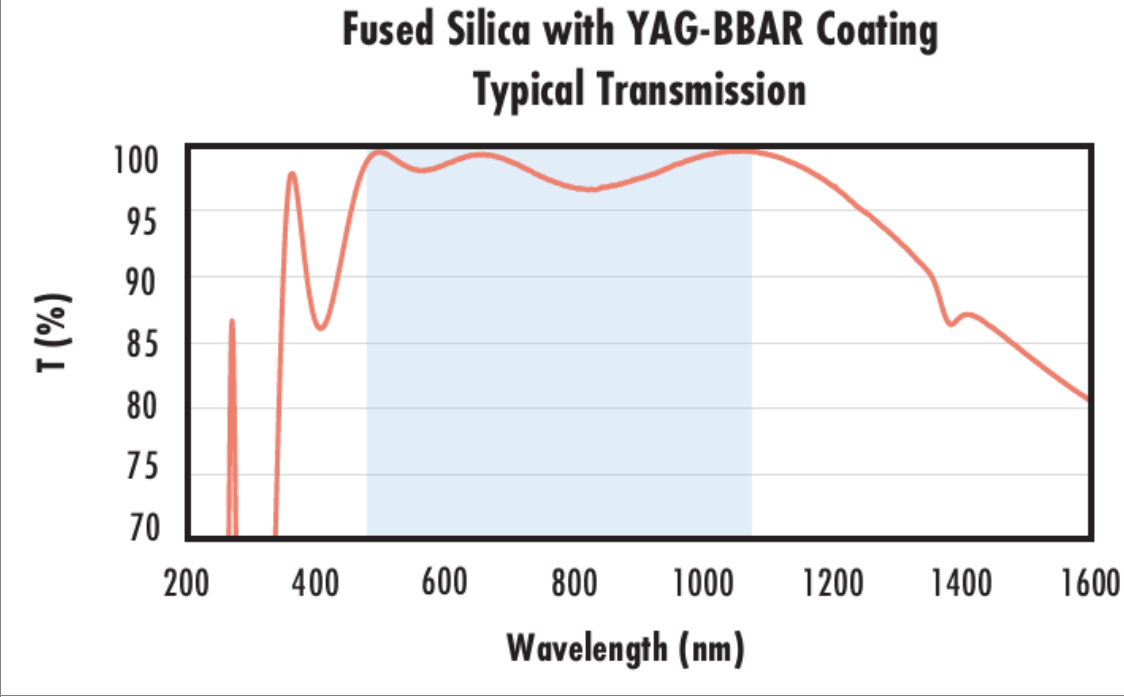
Typical transmission of a fused silica window with VIS 0° (425-675nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{avg} \leq 0.4\% @ 425 - 675\text{nm}$

Data outside this range is not guaranteed and is for reference only.

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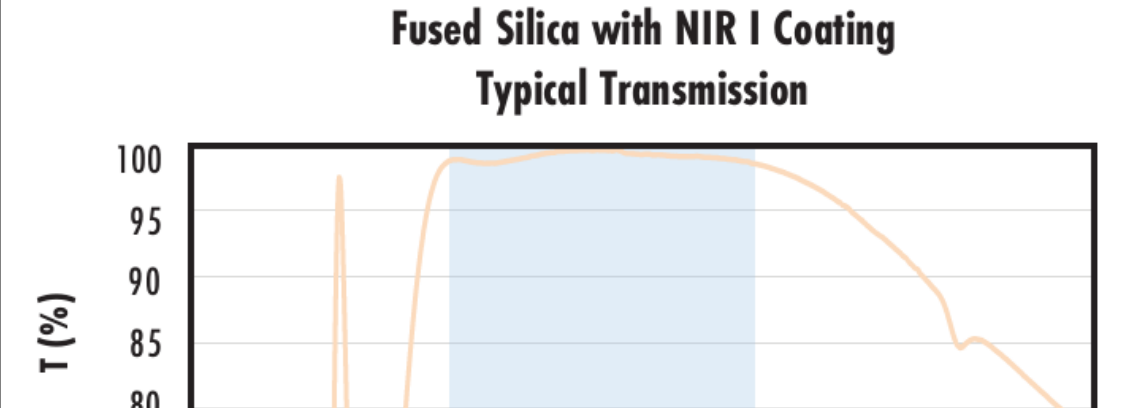
Typical transmission of a fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{abs} \leq 0.25\% @ 532\text{nm}$   
 $R_{abs} \leq 0.25\% @ 1064\text{nm}$   
 $R_{avg} \leq 1.0\% @ 500 - 1100\text{nm}$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

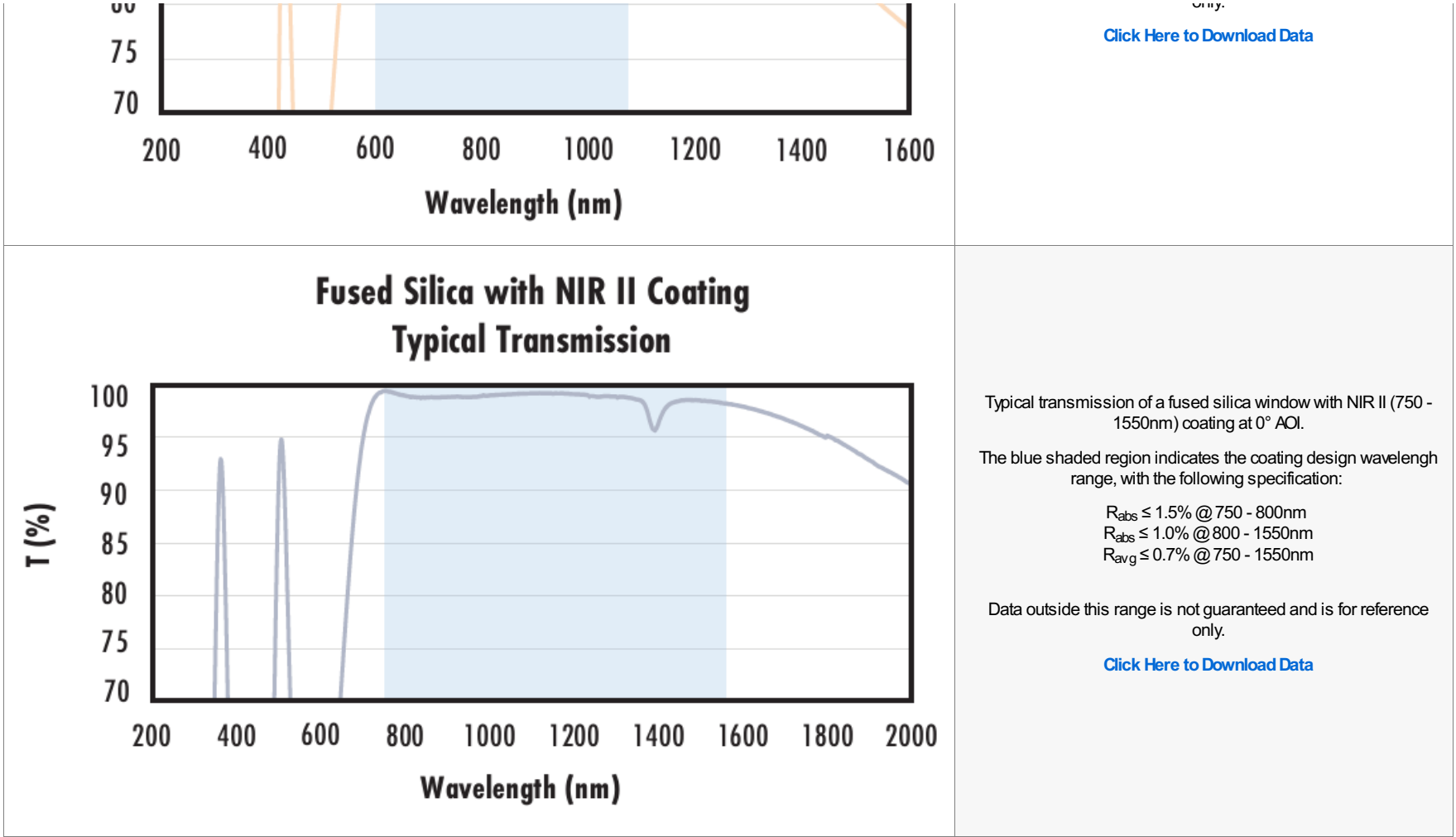


Typical transmission of a fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{avg} \leq 0.5\% @ 600 - 1050\text{nm}$

Data outside this range is not guaranteed and is for reference only.



## Sur mesure

Edmund Optics propose des services complets de fabrication personnalisée de composants optiques et d'imagerie adaptés aux exigences de vos applications spécifiques. Qu'il s'agisse de la phase de prototypage ou de la préparation d'une production à grande échelle, nous proposons des solutions flexibles pour répondre à vos besoins. Nos ingénieurs expérimentés sont là pour vous aider, de la conception à la réalisation.

Nos capacités comprennent :

- Dimensions, matériaux, traitements, etc. personnalisés
- Qualité de surface et planéité de surface de haute précision
- Tolérances serrées et géométries complexes
- Production évolutive – du prototype à la série

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