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TECHSPEC<sup>®</sup> Lentille UV Plan-Convexe Traitée VIS-NIR, 6 mm de dia. x 36 mm FL



UV Fused Silica Plano-Convex (PCX) Lenses



Stock #36-728 12 In Stock

-

1

+

€149<sup>.00</sup>

AJOUTER AU PANIER

| Prix sur Quantité |                                  |
|-------------------|----------------------------------|
| Qté 1-5           | €149,00 prix unitaire            |
| Qté 6-25          | €119,00 prix unitaire            |
| Qté 26-49         | €112,00 prix unitaire            |
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ⓘ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

SPÉCIFICATIONS

Caractéristiques du produit

Plano-Convex Lens

Type:

| Propriétés physiques et mécaniques |                             |
|------------------------------------|-----------------------------|
| 6.00 +0.0/-0.025                   | Diamètre (mm):              |
| <1                                 | Centrage (arcmin):          |
| 2.00 ±0.05                         | Épaisseur Centrale CT (mm): |
| 1.73                               | Épaisseur au Bord ET (mm):  |
| 5.4                                | Ouverture Utile CA (mm):    |
| Protective as needed               | Biseau:                     |

| Propriétés optiques                                                                                                |                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 36.00 @ 587.6nm                                                                                                    | Distance Focale EFL (mm):                                                                                        |
| 34.63                                                                                                              | Distance Focale Arrière BFL (mm):                                                                                |
| VS-NIR (400-1000nm)                                                                                                | Traitement:                                                                                                      |
| R <sub>abs</sub> ≤0.25% @ 880nm<br>R <sub>avg</sub> ≤1.25% @ 400 - 870nm<br>R <sub>avg</sub> ≤1.25% @ 890 - 1000nm | Spécification du Traitement:                                                                                     |
| Fused Silica (Corning 7980)                                                                                        | Substrat:                     |
| 40-20                                                                                                              | Qualité de Surface:                                                                                              |
| 1.5λ                                                                                                               | Power (P-V) @ 632.8nm:                                                                                           |
| λ/4                                                                                                                | Irregularity (P-V) @ 632.8nm:                                                                                    |
| ±1                                                                                                                 | Tolérance Distance Focale (%):                                                                                   |
| 16.51                                                                                                              | Rayon R <sub>1</sub> (mm):                                                                                       |
| 6                                                                                                                  | f/#:                                                                                                             |
| 0.08                                                                                                               | Ouverture Numérique NA:                                                                                          |
| 400 - 1000                                                                                                         | Gamme de Longueur d'Onde (nm):                                                                                   |
| 5 J/cm² @ 532nm, 10ns                                                                                              | Damage Threshold, Reference:  |

| Conformité réglementaire |                             |
|--------------------------|-----------------------------|
| Conforme                 | RoHS 2015:                  |
| Visionner                | Certificate of Conformance: |
| Conforme                 | Reach 235:                  |

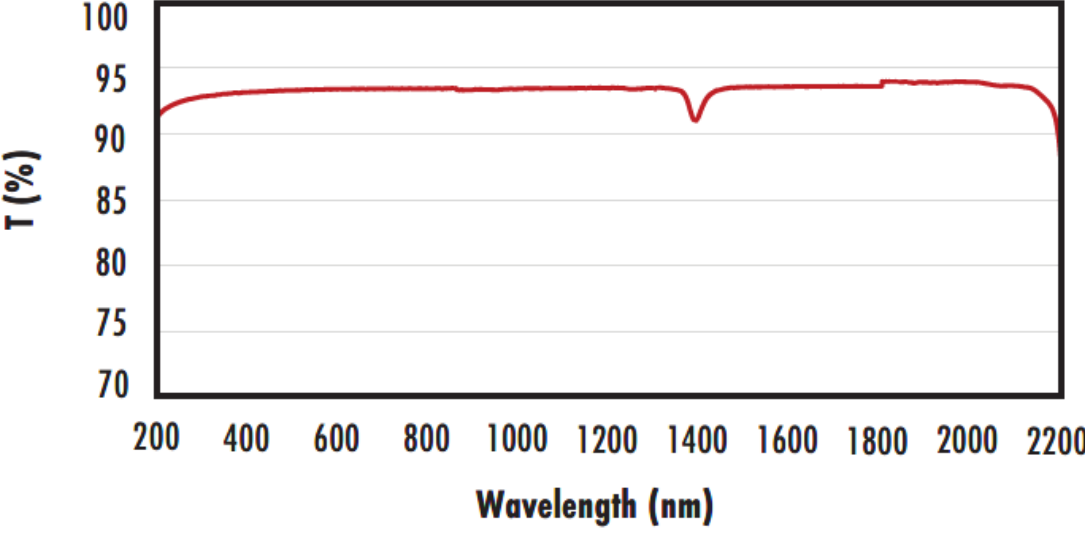
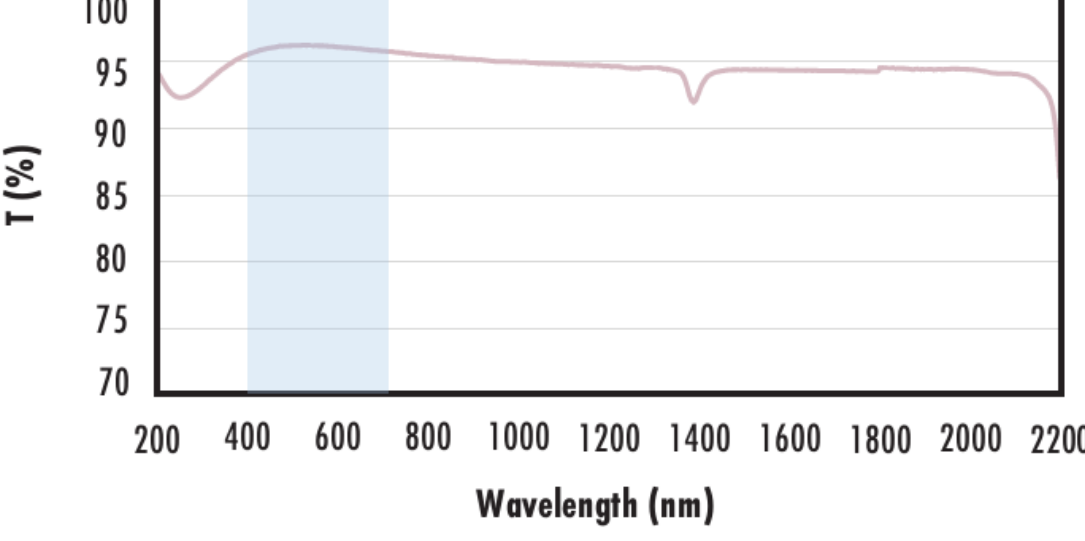
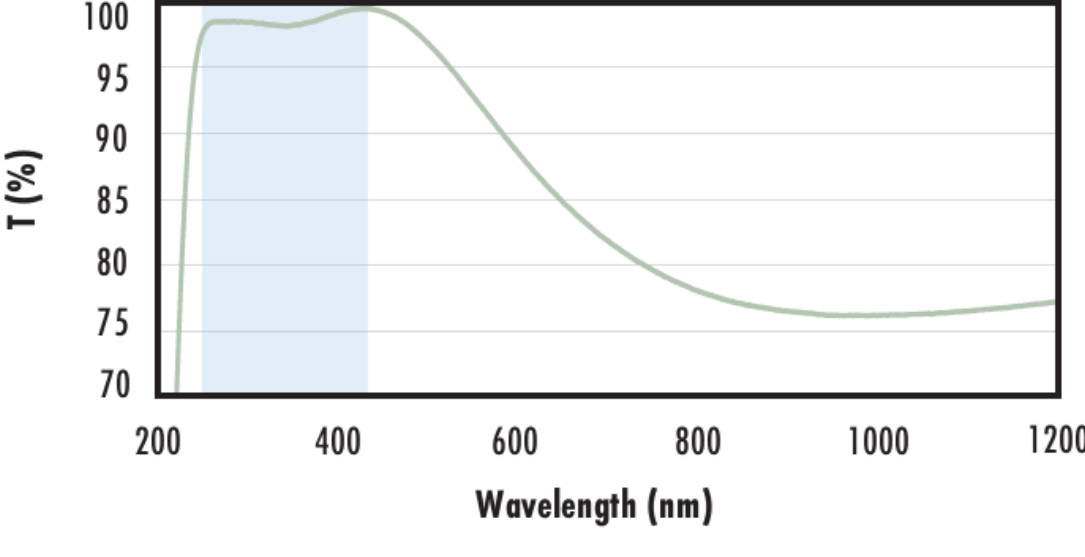
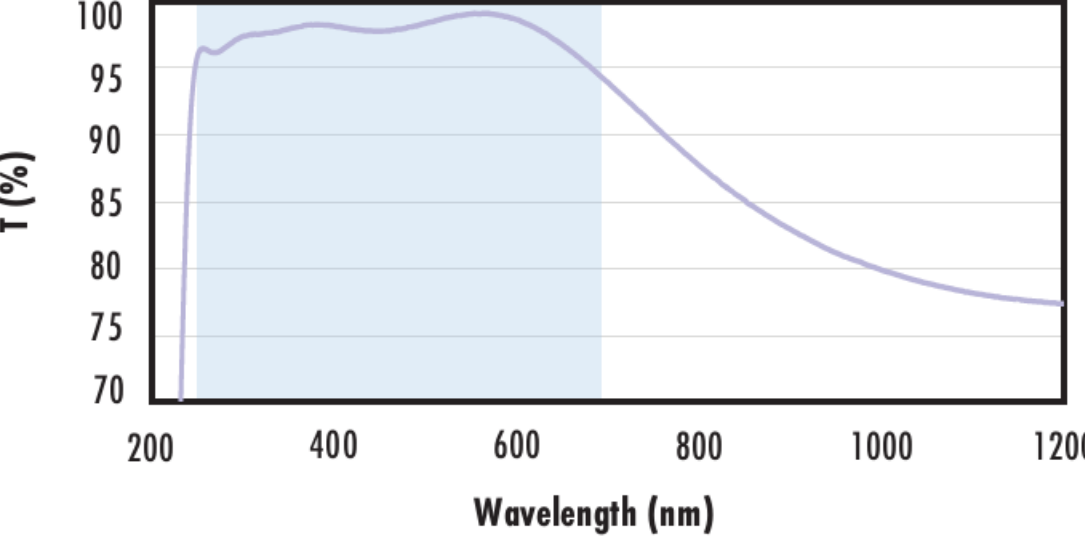
## DESCRIPTION PRODUIT

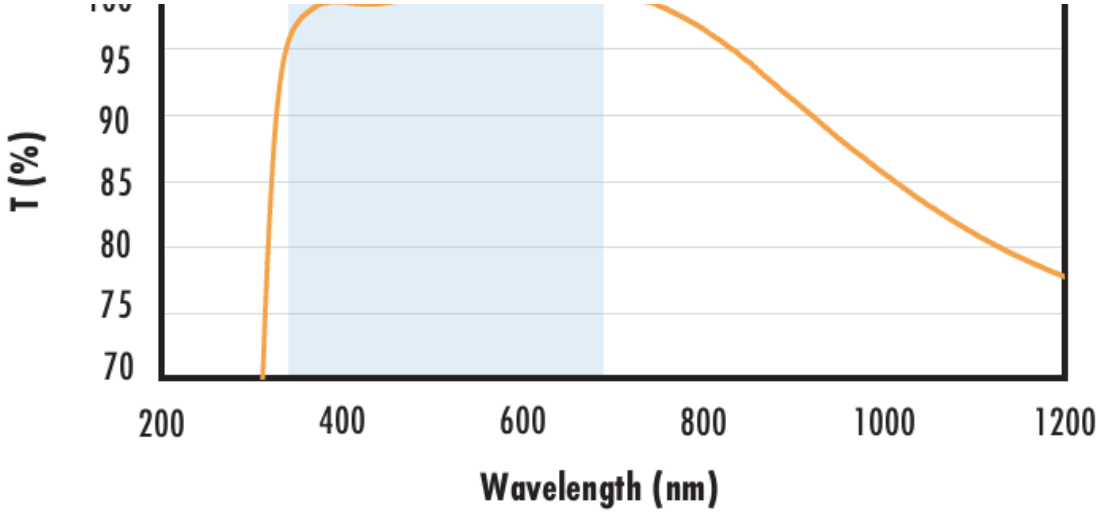
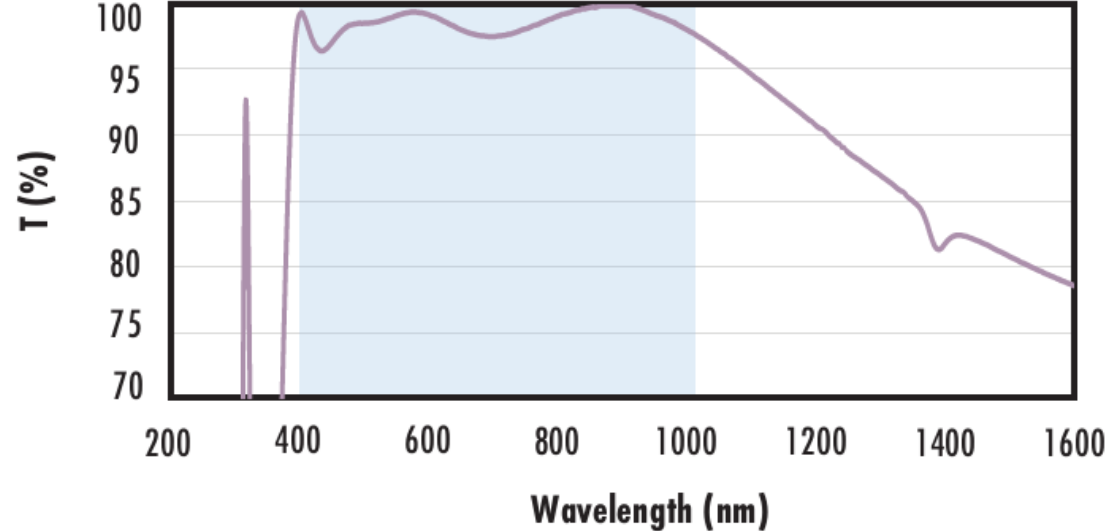
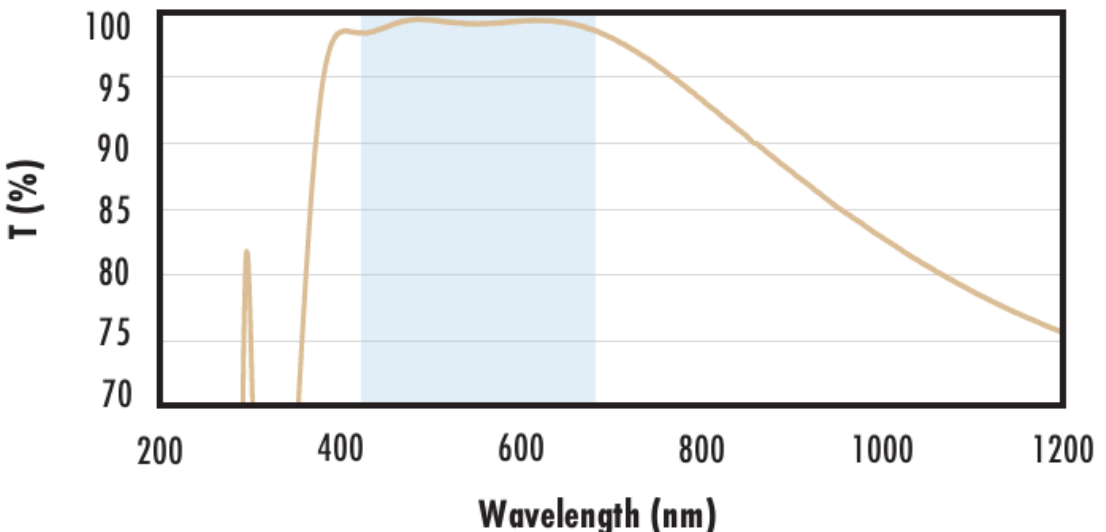
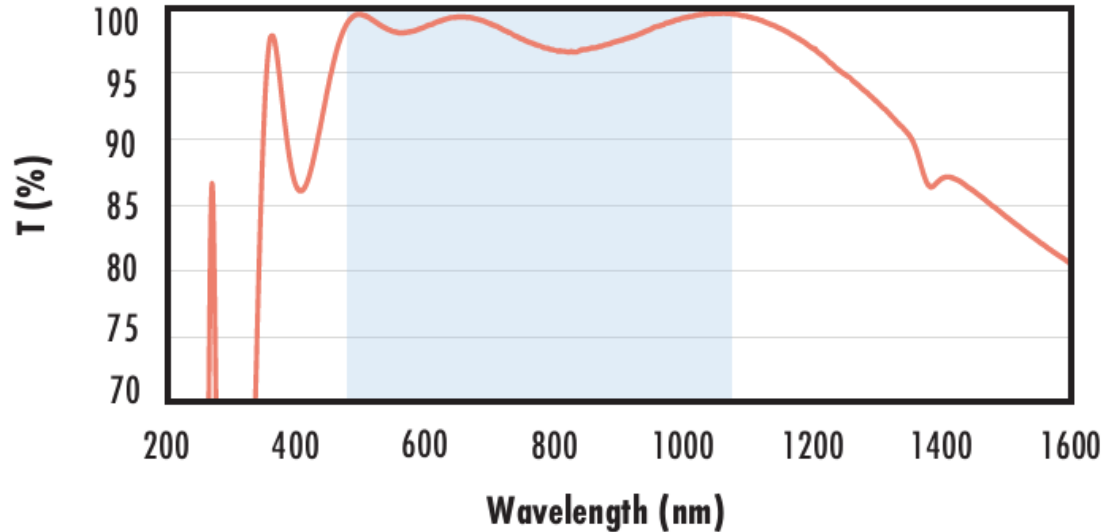
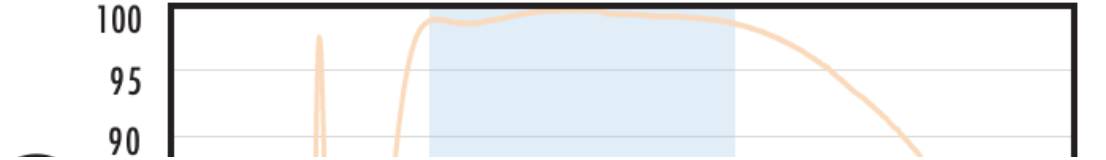
- Traitées AR pour procurer une réflexion <1,25% par surface de 400 à 870 nm et de 890 à 1000 nm
- Substrat en silice fondue de précision
- Diverses options de traitement : [Non Traitées](#), [MgF<sub>2</sub>](#), [UV-AR](#), [UV-VIS](#), [VIS-EXT](#), [VIS 0°](#), [YAG-BBAR](#), [NIR I](#) et [NIR II](#)

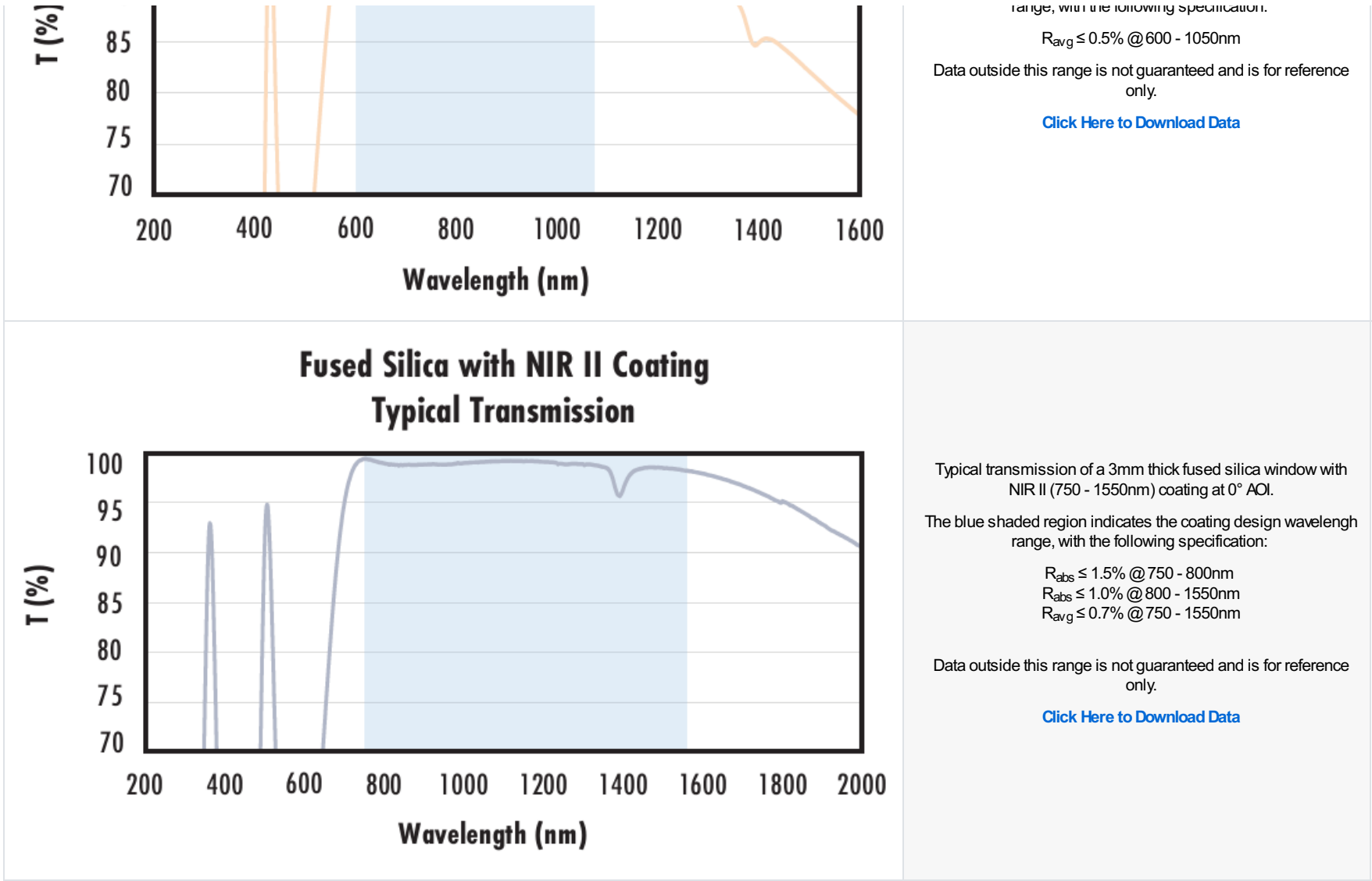
Les Lentilles Plan-Convexes (PCX) en Silice Fondue UV Traitées VIS-NIR TECHSPEC® présentent des spécifications de précision et une variété d'options de traitement sur un substrat à large bande. La silice fondue est couramment utilisée dans des applications allant de l'ultraviolet (UV) au proche infrarouge (NIR). Son faible indice de réfraction, son faible coefficient de dilatation thermique et sa faible teneur en inclusions la rendent idéale pour les applications laser et les conditions environnementales difficiles. Les Lentilles Plan-Convexes (PCX) en Silice Fondue UV Traitées VIS-NIR TECHSPEC® présentent des spécifications de centrage et de diamètre à la pointe de l'industrie, ce qui les rend idéales pour l'intégration dans des applications d'imagerie et de mesure exigeantes. Ces lentilles sont dotées d'un traitement VIS-NIR afin d'augmenter leurs performances de traitement dans le domaine du visible et de l'infrarouge proche.

## INFORMATIONS TECHNIQUES

| FUSED SILICA          |
|-----------------------|
| Uncoated Fused Silica |

|                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div data-bbox="262 83 1276 667"><h3>Typical Transmission</h3></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 data-bbox="262 697 1276 1350"><h3>Fused Silica with MgF<sub>2</sub> Coating<br/>Typical Transmission</h3></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 data-bbox="262 1380 1276 2033"><h3>Fused Silica with UV-AR Coating<br/>Typical Transmission</h3></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 data-bbox="262 2062 1276 2715"><h3>Fused Silica with UV-VIS Coating<br/>Typical Transmission</h3></div>        | <p>Typical transmission of a 3mm thick fused silica window with UV-VIS (250-700nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{abs} \leq 1.0\% @ 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>                                                          |
| <div data-bbox="262 2745 1276 2887"><h3>Fused Silica with VIS-EXT Coating<br/>Typical Transmission</h3></div>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                      | <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\% @ 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>                                                                                                                  |
| <p><b>Fused Silica with VIS-NIR Coating</b><br/><b>Typical Transmission</b></p>    | <p>Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{abs} \leq 0.25\% @ 880\text{nm}</math><br/><math>R_{avg} \leq 1.25\% @ 400 - 870\text{nm}</math><br/><math>R_{avg} \leq 1.25\% @ 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> |
| <p><b>Fused Silica with VIS 0° Coating</b><br/><b>Typical Transmission</b></p>    | <p>Typical transmission of a 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{avg} \leq 0.4\% @ 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>                                                                                                                   |
| <p><b>Fused Silica with YAG-BBAR Coating</b><br/><b>Typical Transmission</b></p>  | <p>Typical transmission of a 3mm thick fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{abs} \leq 0.25\% @ 532\text{nm}</math><br/><math>R_{abs} \leq 0.25\% @ 1064\text{nm}</math><br/><math>R_{avg} \leq 1.0\% @ 500 - 1100\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 NIR I Coating</b><br/><b>Typical Transmission</b></p>     | <p>Typical transmission of a 3mm thick fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p>                                                                                                                                                                                                                                                                                                            |



## COATING CURVES

## 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
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## MONTURES COMPATIBLES