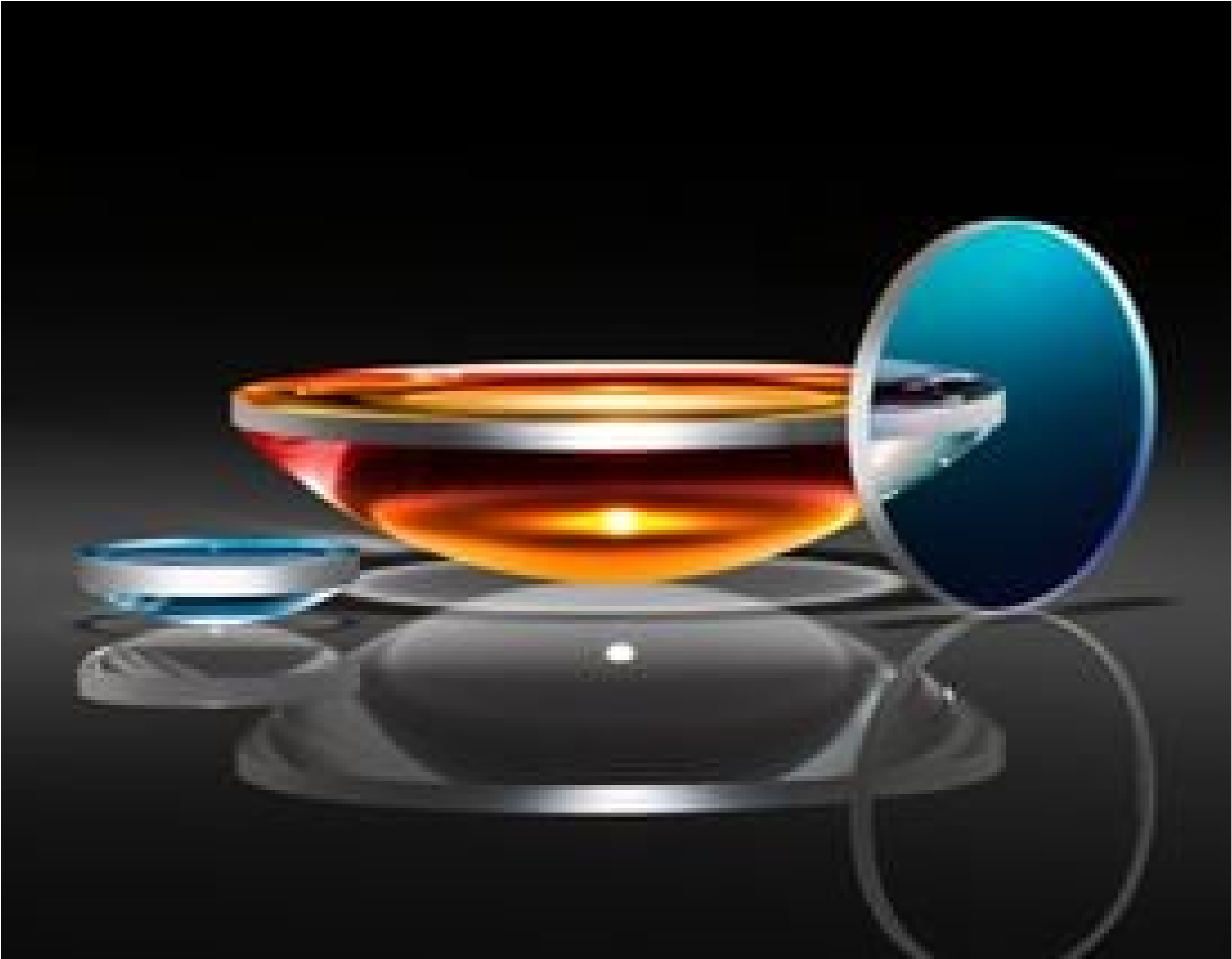


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TECHSPEC®

50mm Dia. x 250mm FL, MgF₂ Coated, Plano-Convex Lens



UV Fused Silica Plano-Convex (PCX) Lenses



Stock **#18-199** **3 In Stock**

-

1

+

€319^{.00}

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	€319,00 prix unitaire
Qté 6-25	€256,00 prix unitaire
Qté 26-49	€239,00 prix unitaire
Need More?	Demande de Devis

Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Type:

Plano-Convex Lens

Propriétés physiques et mécaniques

50.00 -0.025	Diamètre (mm):
<1	Centrage (arcmin):
7.00 ±0.10	Épaisseur Centrale CT (mm):
4.24	Épaisseur au Bord ET (mm):
49	Ouverture Utile CA (mm):
Protective as needed	Biseau:

Propriétés optiques

250.00 @ 587.6nm	Distance Focale EFL (mm):
245.21	Distance Focale Arrière BFL (mm):
MgF ₂ (400-700nm)	Traitement:
R _{avg} ≤1.75% @ 400 - 700nm	Spécification du Traitement:
Fused Silica (Corning 7980)	Substrat: □
40-20	Qualité de Surface:
3 Rings	Power (P-V) @ 632.8nm:
0.5 Rings	Irregularity (P-V) @ 632.8nm:
±1	Tolérance Distance Focale (%):
114.62	Rayon R ₁ (mm):
5	f/#:
0.10	Ouverture Numérique NA:
400 - 700	Gamme de Longueur d'Onde (nm):
10 J/cm ² @ 532nm, 10ns	Damage Threshold, By Design: □

Conformité réglementaire

Conforme	RoHS 2015:
Visionner	Certificate of Conformance:
Conforme	Reach 235:

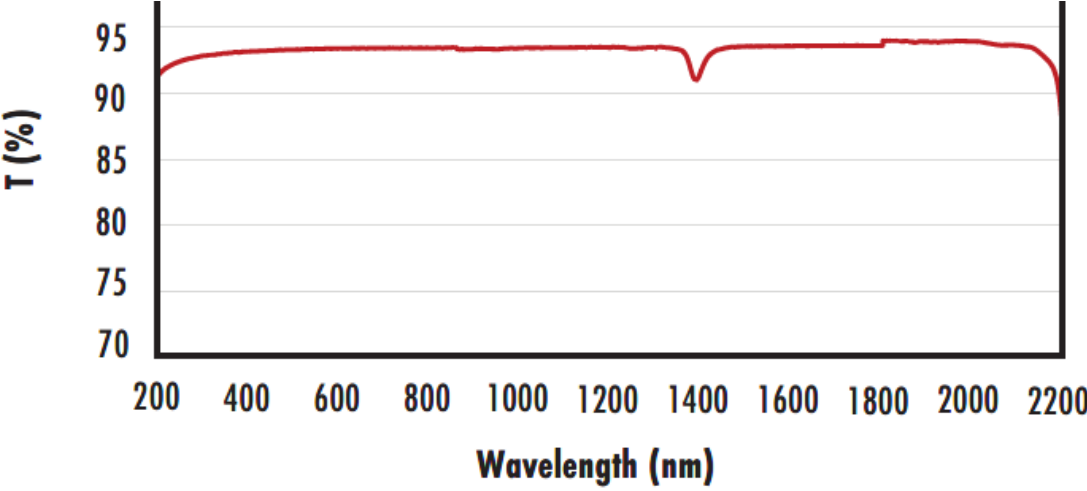
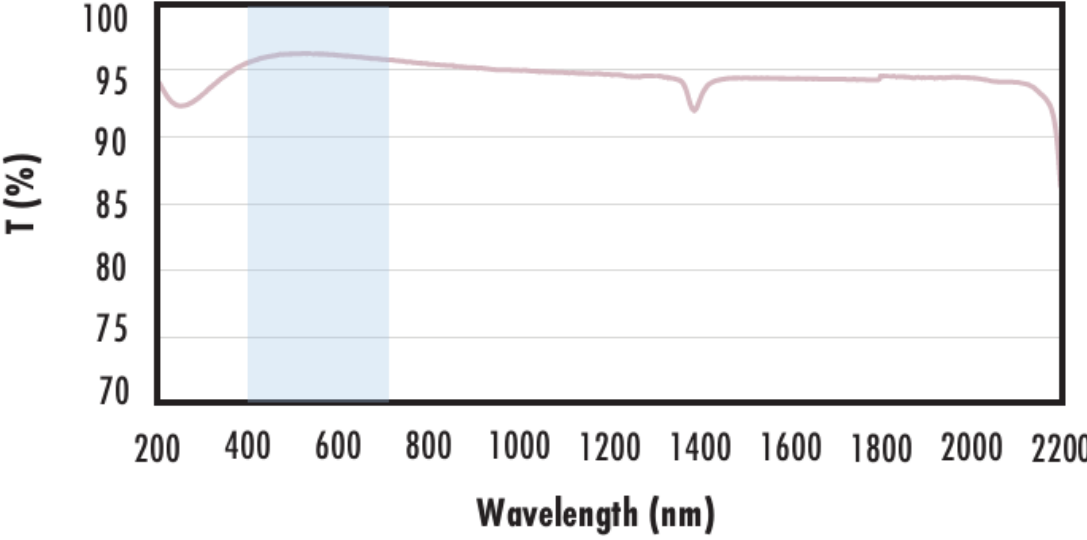
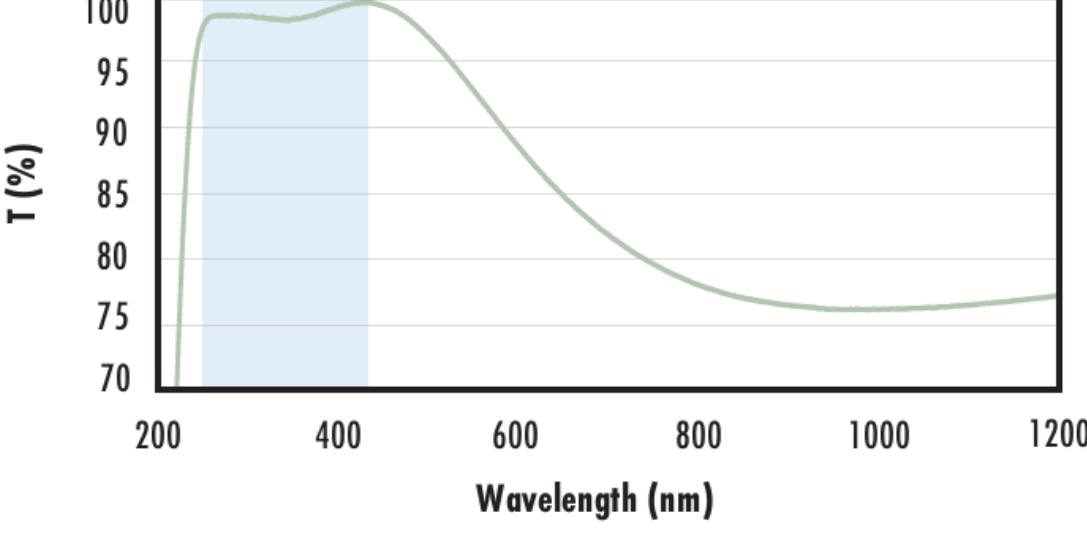
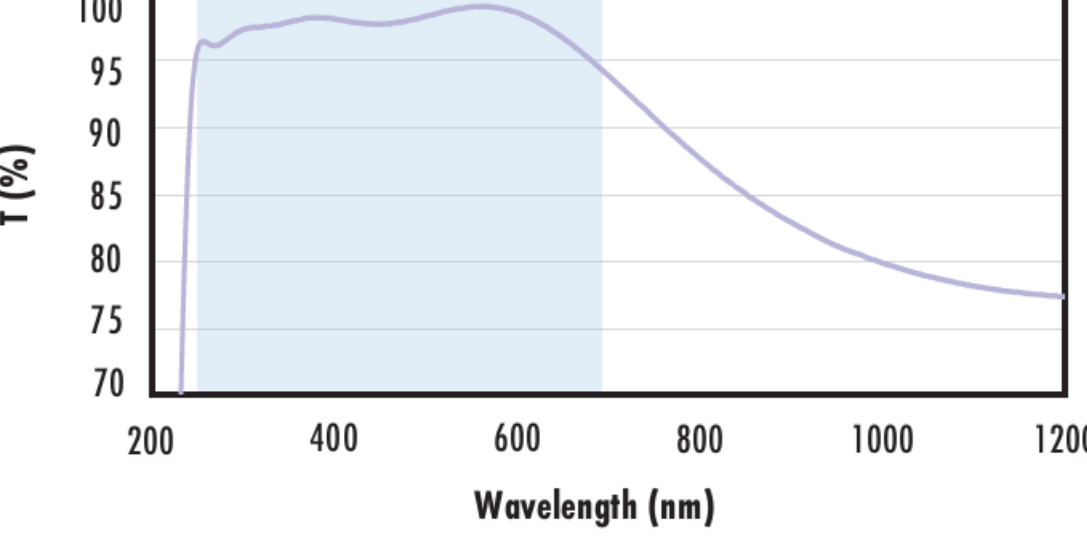
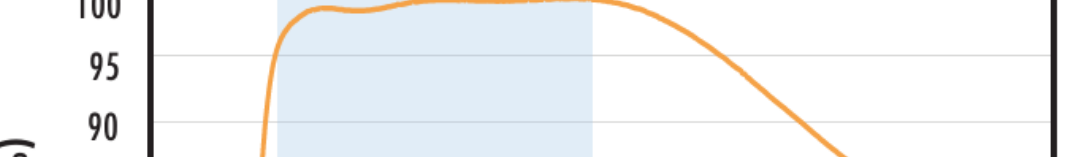
Description produit

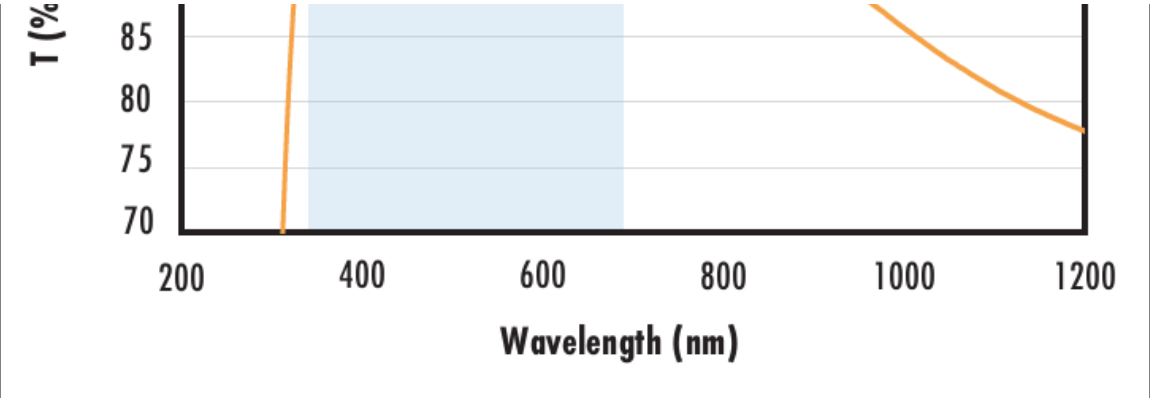
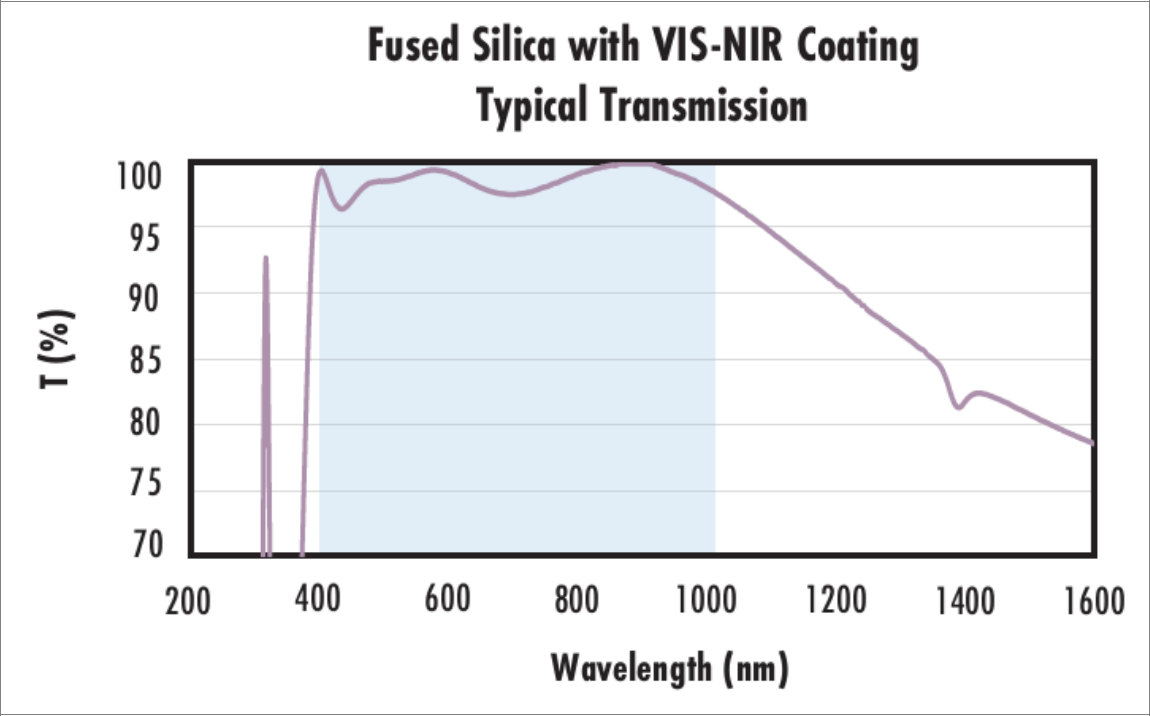
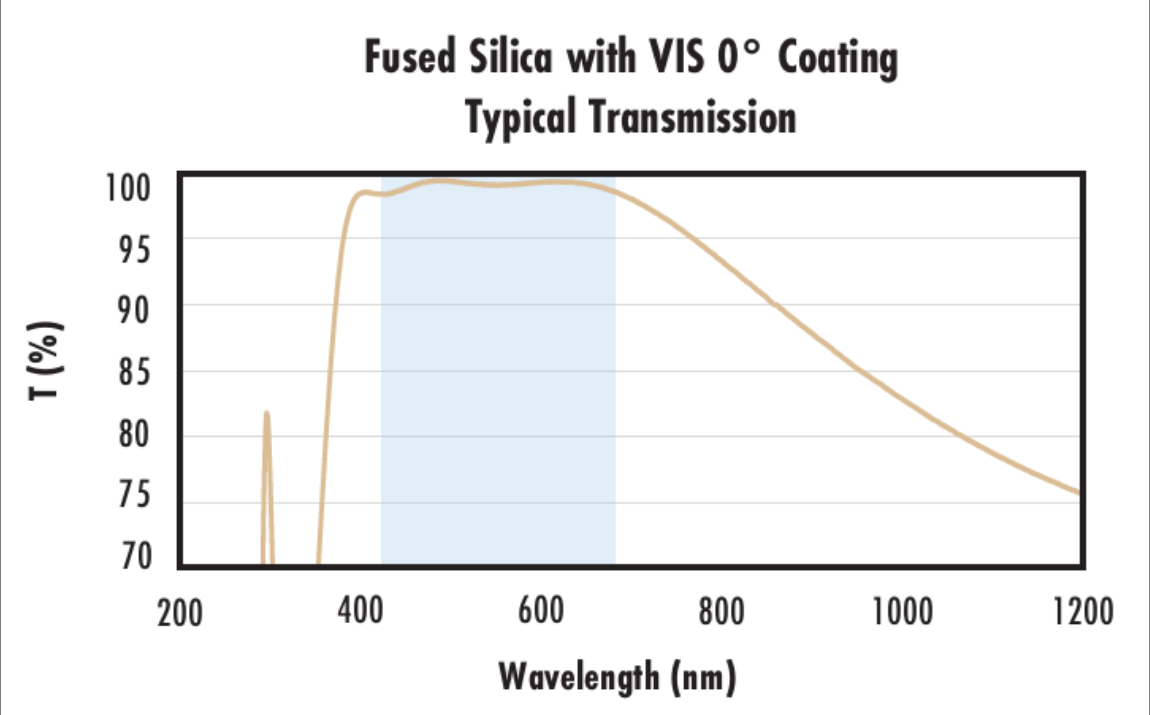
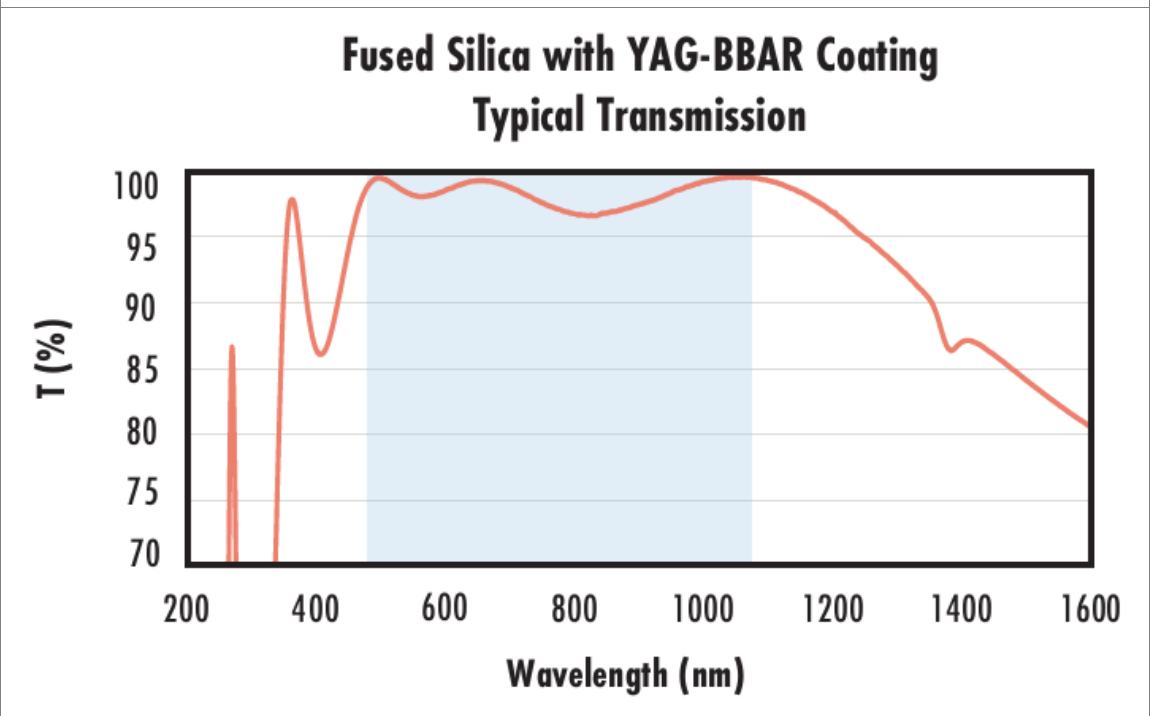
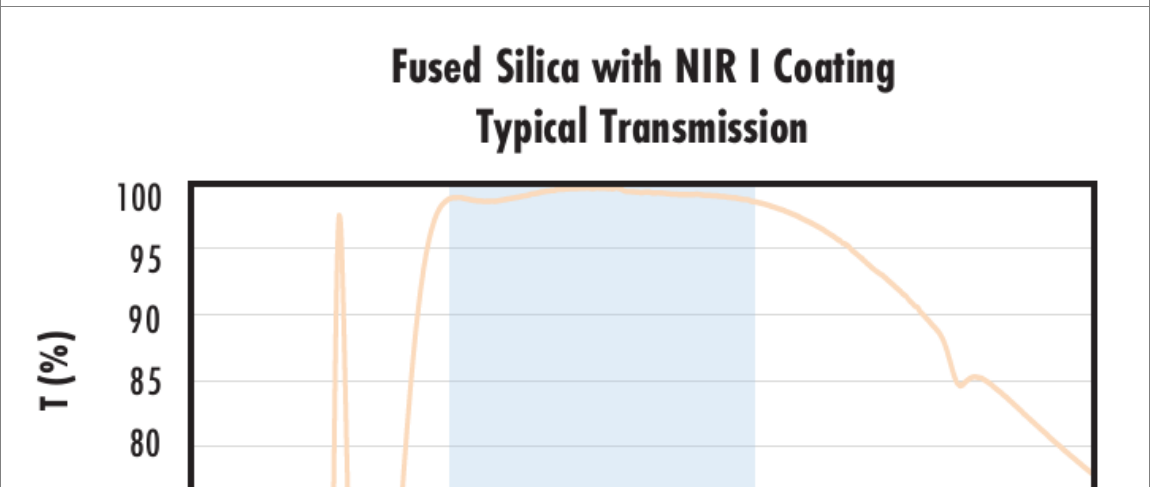
- Traitées AR pour procurer une réflexion <1,75% par surface de 400 à 700 nm
- Substrat en silice fondue de précision
- Diverses options de traitement : [Non Traitées](#), [UV-AR](#), [UV-VIS](#), [VIS-EXT](#), [VIS-NIR](#), [VIS 0°](#), [YAG-BBAR](#), [NIR I](#) et [NIR II](#)

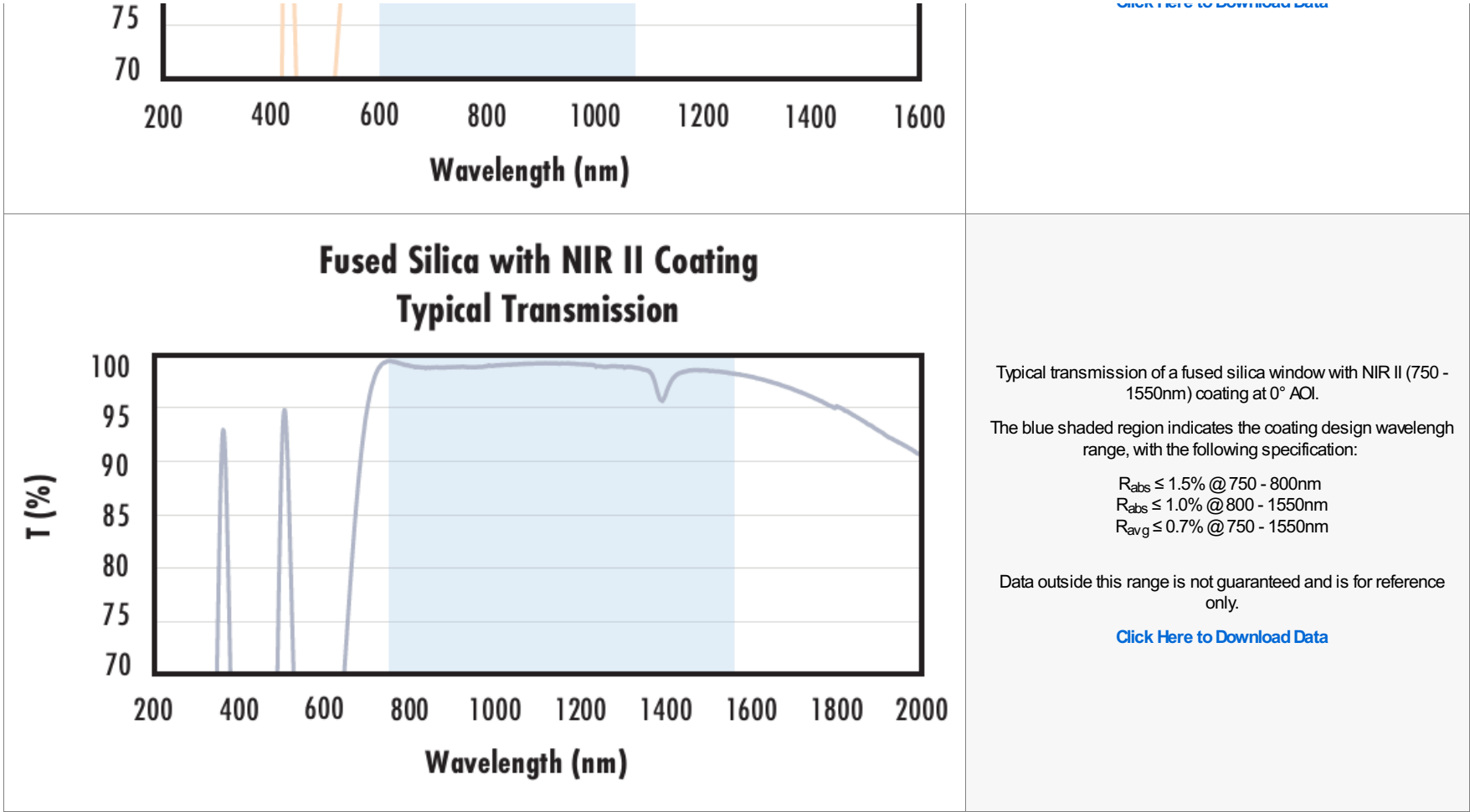
Les Lentilles Plan-Convexes (PCX) en Silice Fondue UV Traitées MgF₂ TECHSPEC® présentent des spécifications de précision et une variété d'options de traitement sur un substrat à large bande. La silice fondue est couramment utilisée dans des applications allant de l'ultraviolet (UV) au proche infrarouge (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 MgF₂ 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 traitées AR avec du MgF₂ pour augmenter les performances dans la gamme VIS.

Informations techniques



	Typical transmission of an uncoated fused silica window across the UV - NIR spectra. Click Here to Download Data
Fused Silica with MgF₂ Coating Typical Transmission 	Typical transmission of a fused silica window with MgF2 (400-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 1.75\% @ 400 - 700nm$ (N-BK7) Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with UV-AR Coating Typical Transmission 	Typical transmission of a fused silica window with UV-AR (250-425nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 1.0\% @ 250 - 425nm$ $R_{avg} \leq 0.75\% @ 250 - 425nm$ $R_{avg} \leq 0.5\% @ 370 - 420nm$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with UV-VIS Coating Typical Transmission 	Typical transmission of a fused silica window with UV-VIS (250-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 1.0\% @ 350 - 450nm$ $R_{avg} \leq 1.5\% @ 250 - 700nm$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with VIS-EXT Coating Typical Transmission 	Typical transmission of a fused silica window with VIS-EXT (350-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification:

	Typical transmission of a fused silica window with VIS-NIR (350-700nm) coating at 0° AOI. $R_{avg} \leq 0.5\% @ 350 - 700nm$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with VIS-NIR Coating Typical Transmission 	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: $R_{abs} \leq 0.25\% @ 880nm$ $R_{avg} \leq 1.25\% @ 400 - 870nm$ $R_{avg} \leq 1.25\% @ 890 - 1000nm$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with VIS 0° Coating Typical Transmission 	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: $R_{avg} \leq 0.4\% @ 425 - 675nm$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with YAG-BBAR Coating Typical Transmission 	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: $R_{abs} \leq 0.25\% @ 532nm$ $R_{abs} \leq 0.25\% @ 1064nm$ $R_{avg} \leq 1.0\% @ 500 - 1100nm$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with NIR I Coating Typical Transmission 	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: $R_{avg} \leq 0.5\% @ 600 - 1050nm$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data



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
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