

[Afficher tous les 68 produits de la même famille.](#)

TECHSPEC[®] 12mm de Dia. x -30mm FL, non traité, Lentille PCV UV



UV Fused Silica Plano-Concave (PCV) Lenses



Stock **#48-047** 20+ In Stock

[D'autres traitements](#)

-

1

+

€132⁰⁰

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	€132,00 prix unitaire
Qté 6-25	€105,00 prix unitaire
Qté 26-49	€98,50 prix unitaire
Need More?	Demande de Devis

Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Type:
Plano-Concave Lens

Remarque:
Max. Flat Annulus is 0.3mm

Propriétés physiques et mécaniques	
12.00 +0.0/-0.025	Diamètre (mm):
2.00	Épaisseur Centrale CT (mm):
±0.05	Tolérance Épaisseur Centrale (mm):
<1	Centrage (arcmin):
11	Ouverture Utile CA (mm):
3.24	Épaisseur au Bord ET (mm):

Propriétés optiques	
-30.00	Distance Focale EFL (mm):
Fused Silica (Corning 7980)	Substrat: ☐
2.5	f/#:
0.20	Ouverture Numérique NA:
Uncoated	Traitement:
200 - 2200	Gamme de Longueur d'Onde (nm):
-31.37	Distance Focale Arrière BFL (mm):
587.6	Longueur d'Onde à la Focale Donnée (nm):
±1	Tolérance Distance Focale (%):
-13.75	Rayon R ₁ (mm):
40-20	Qualité de Surface:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:

Conformité réglementaire	
Conforme	RoHS 2015:
Conforme	Reach 223:
Visionner	Certificate of Conformance:

Description produit

- Distances focales négatives pour les applications d'expansion de faisceau ou de projection de lumière
- Gamme de longueurs d'onde de 200 à 2000 nm
- Option traitement AR UV disponible

Les Lentilles Plan-Concaves (PCV) en Silice Fondue UV TECHSPEC® sont des éléments optiques UV de haute performance, fabriqués à l'aide d'un équipement CNC de pointe. La précision de la surface et la performance de ces optiques sont garanties grâce à l'interféromètre GPI-XP de Zygo. Les lentilles de qualité UV sont fabriquées avec précision en utilisant de la silice fondue synthétique de qualité recherche. En plus d'offrir une excellente transmission et de fonctionner à hautes températures, la silice fondue synthétique présente également des spécifications d'inclusion et d'une pureté chimique exceptionnelles. Les Lentilles Plan-Concaves (PCV) en Silice Fondue UV TECHSPEC® sont un choix idéal pour de nombreuses applications laser et d'imagerie, en particulier celles impliquant des longueurs d'onde ultraviolettes. Un traitement antireflets à large bande est disponible, optimisant la transmission dans le spectre UV.

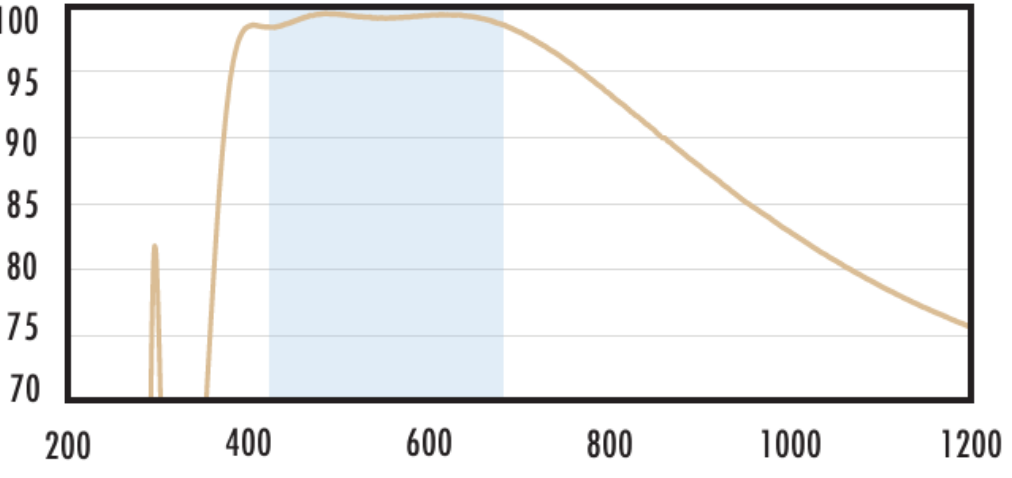
Informations techniques



UV FS Transmission Curve



FUSED SILICA	
Uncoated Fused Silica Typical Transmission The graph shows the typical transmission of a 3mm thick, uncoated fused silica window. The y-axis is Transmittance T (%) from 70 to 100. The x-axis is Wavelength (nm) from 200 to 2200. The curve is relatively flat, staying above 90% transmittance across the entire range, with a small dip around 1400 nm.	Typical transmission of a 3mm thick, uncoated fused silica window across the UV - NIR spectra. Click Here to Download Data
Fused Silica with MgF₂ Coating Typical Transmission The graph shows the typical transmission of a 3mm thick fused silica window with a MgF₂ coating. The y-axis is Transmittance T (%) from 70 to 100. The x-axis is Wavelength (nm) from 200 to 2200. A blue shaded region indicates the coating design wavelength range from approximately 400 nm to 700 nm, where transmittance is optimized. The curve shows a slight dip around 1400 nm.	Typical transmission of a 3mm thick 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: $R_{avg} \leq 1.75\% @ 400 - 700\text{nm}$ (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 The graph shows the typical transmission of a 3mm thick fused silica window with a UV-AR coating. The y-axis is Transmittance T (%) from 75 to 100. The x-axis is Wavelength (nm) from 200 to 2200. A blue shaded region indicates the coating design wavelength range from approximately 250 nm to 425 nm, where transmittance is optimized. The curve shows a sharp drop in transmittance starting around 425 nm, reaching a minimum around 370 nm, and then gradually increasing.	Typical transmission of a 3mm thick 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: $R_{abs} \leq 1.0\% @ 250 - 425\text{nm}$ $R_{avg} \leq 0.75\% @ 250 - 425\text{nm}$ $R_{avg} \leq 0.5\% @ 370 - 420\text{nm}$ 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 3mm thick 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\% \text{ @ } 350 - 450\text{nm}$$R_{avg} \leq 1.5\% \text{ @ } 250 - 700\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with VIS-EXT Coating Typical Transmission 	Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.5\% \text{ @ } 350 - 700\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with VIS-NIR Coating Typical Transmission 	Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 0.25\% \text{ @ } 880\text{nm}$$R_{avg} \leq 1.25\% \text{ @ } 400 - 870\text{nm}$$R_{avg} \leq 1.25\% \text{ @ } 890 - 1000\text{nm}$ 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 3mm thick 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: $R_{avg} \leq 0.4\% \text{ @ } 425 - 675\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data

Wavelength (nm) Fused Silica with YAG-BBAR Coating Typical Transmission <table border="1"><caption>Approximate data for Fused Silica with YAG-BBAR Coating</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr></thead><tbody><tr><td>200</td><td>85</td></tr><tr><td>300</td><td>98</td></tr><tr><td>400</td><td>86</td></tr><tr><td>500</td><td>100</td></tr><tr><td>600</td><td>99</td></tr><tr><td>800</td><td>97</td></tr><tr><td>1000</td><td>100</td></tr><tr><td>1200</td><td>98</td></tr><tr><td>1400</td><td>87</td></tr><tr><td>1600</td><td>80</td></tr></tbody></table>	Wavelength (nm)	Transmission T (%)	200	85	300	98	400	86	500	100	600	99	800	97	1000	100	1200	98	1400	87	1600	80	Typical transmission of a 3mm thick 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		
Wavelength (nm)	Transmission T (%)																								
200	85																								
300	98																								
400	86																								
500	100																								
600	99																								
800	97																								
1000	100																								
1200	98																								
1400	87																								
1600	80																								
Wavelength (nm) Fused Silica with NIR I Coating Typical Transmission <table border="1"><caption>Approximate data for Fused Silica with NIR I Coating</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr></thead><tbody><tr><td>200</td><td>85</td></tr><tr><td>400</td><td>98</td></tr><tr><td>500</td><td>90</td></tr><tr><td>600</td><td>100</td></tr><tr><td>800</td><td>100</td></tr><tr><td>1000</td><td>100</td></tr><tr><td>1200</td><td>98</td></tr><tr><td>1400</td><td>85</td></tr><tr><td>1600</td><td>78</td></tr></tbody></table>	Wavelength (nm)	Transmission T (%)	200	85	400	98	500	90	600	100	800	100	1000	100	1200	98	1400	85	1600	78	Typical transmission of a 3mm thick 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				
Wavelength (nm)	Transmission T (%)																								
200	85																								
400	98																								
500	90																								
600	100																								
800	100																								
1000	100																								
1200	98																								
1400	85																								
1600	78																								
Wavelength (nm) Fused Silica with NIR II Coating Typical Transmission <table border="1"><caption>Approximate data for Fused Silica with NIR II Coating</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr></thead><tbody><tr><td>200</td><td>85</td></tr><tr><td>400</td><td>94</td></tr><tr><td>500</td><td>96</td></tr><tr><td>600</td><td>90</td></tr><tr><td>750</td><td>100</td></tr><tr><td>1000</td><td>100</td></tr><tr><td>1200</td><td>100</td></tr><tr><td>1400</td><td>97</td></tr><tr><td>1550</td><td>100</td></tr><tr><td>1800</td><td>95</td></tr><tr><td>2000</td><td>91</td></tr></tbody></table>	Wavelength (nm)	Transmission T (%)	200	85	400	94	500	96	600	90	750	100	1000	100	1200	100	1400	97	1550	100	1800	95	2000	91	Typical transmission of a 3mm thick fused silica window with NIR II (750 - 1550nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 1.5\%$ @ 750 - 800nm $R_{abs} \leq 1.0\%$ @ 800 - 1550nm $R_{avg} \leq 0.7\%$ @ 750 - 1550nm Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Wavelength (nm)	Transmission T (%)																								
200	85																								
400	94																								
500	96																								
600	90																								
750	100																								
1000	100																								
1200	100																								
1400	97																								
1550	100																								
1800	95																								
2000	91																								

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

En savoir plus sur nos [capacités de fabrication sur mesure](#) ou soumettre une demande [ici](#).

Montures compatibles