

TECHSPEC[®]

Plankonkave Linse aus UV-Quarzglas, 25 mm D. x -200 mm eff. Brennweite, UV-AR-beschichtet



UV Fused Silica Plano-Concave (PCV) Lenses



Produkt **#48-325** **2 In Stock**

☐ [Andere Beschichtungen](#)

-

1

+

€164^{.00}

+ WARENKORB

Mengenrabatte	
Stk. 1-5	€164,00 stückpreis
Stk. 6-25	€132,00 stückpreis
Stk. 26-49	€123,00 stückpreis
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🔊 Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

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Produktdetails

Typ:

Plano-Concave Lens	
Max. Flat Annulus is 0.3mm	Hinweis:
Physikalische und mechanische Eigenschaften	
25.00 +0.0/-0.025	Durchmesser (mm):
2.50	Mittendicke CT (mm):
±0.10	Toleranz Mittendicke (mm):
<1	Zentrierung (Bogenminuten):
24	Freie Apertur CA (mm):
3.32	Randdicke ET (mm):
Optische Eigenschaften	
-200.00	Effektive Brennweite EFL (mm):
Fused Silica (Corning 7980)	Substrat: ☐
8.00	Blende:
0.06	Numerische Apertur NA:
UV-AR (250-425nm)	Beschichtung:
250 - 425	Wellenlängenbereich (nm):
-201.71	Hintere Brennweite BFL (mm):
R _{abs} ≤1.0% @ 250 - 425nm R _{avg} ≤0.75% @ 250 - 425nm R _{avg} ≤0.5% @ 370 - 420nm	Beschichtungsspezifikation:
587.6	Designwellenlänge Brennweite (nm):
±1	Toleranz Brennweite (%):
-91.69	Radius R ₁ (mm):
40-20	Oberflächenqualität:
3 J/cm ² @ 355nm, 10ns	Zerstörschwelle, Referenz: ☐
1.5λ	Power (P-V) @ 632,8 nm:
N4	Unregelmäßigkeit (P-V) @ 632,8 nm:
Konformität mit Standards	
Konform	RoHS 2015:
Anzeigen	Konformitätszertifikat:
Konform	Reach 235:

Gewünschte Spezifikationen nicht dabei?

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:

- Kundenspezifische Abmessungen, Materialien und mehr
- Hochpräzise Oberflächenqualität und -ebenheit
- Enge Toleranzen und komplexe Formen
- Skalierbare Produktion – vom Prototypen zur Serie

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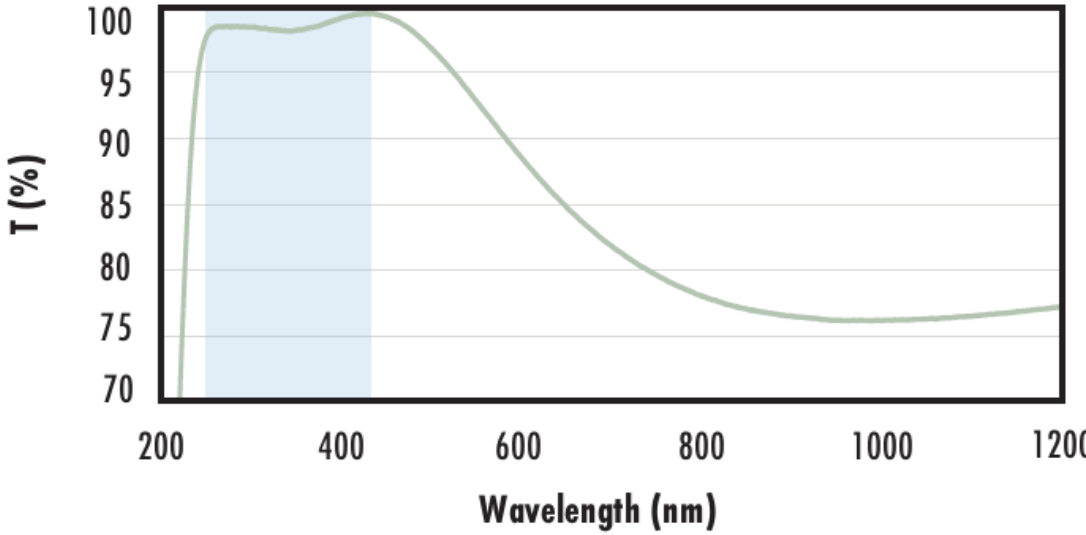
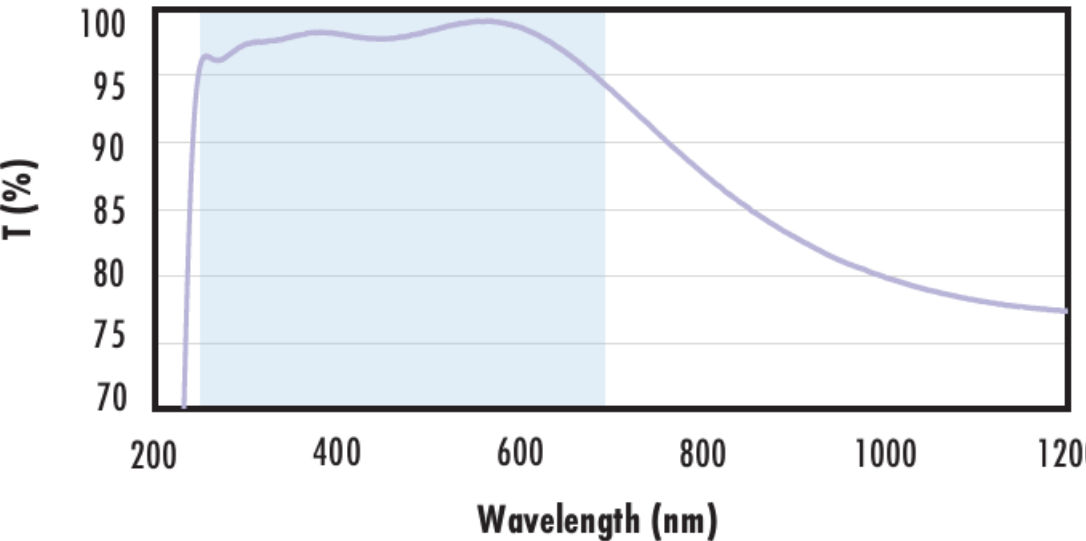
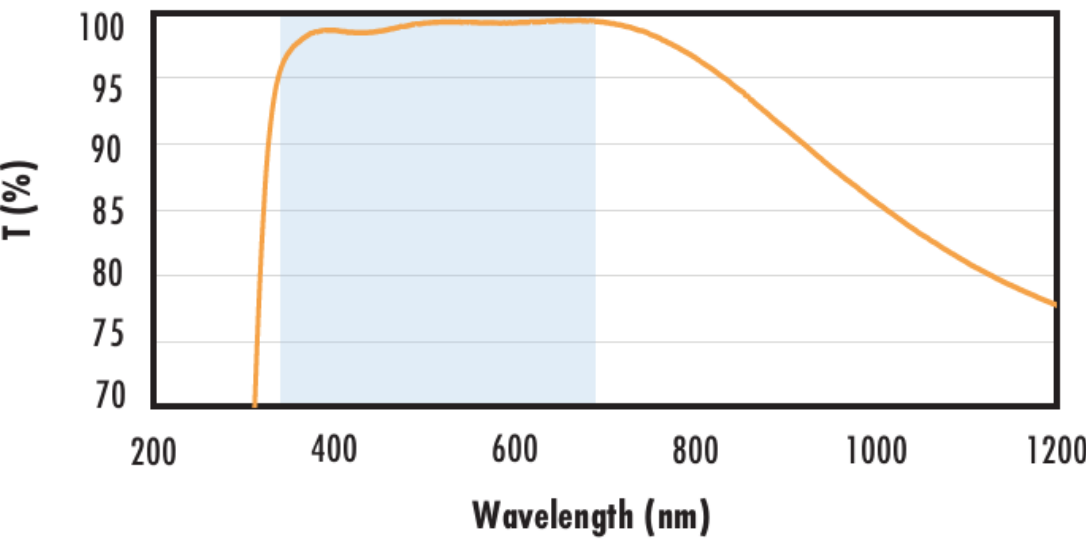
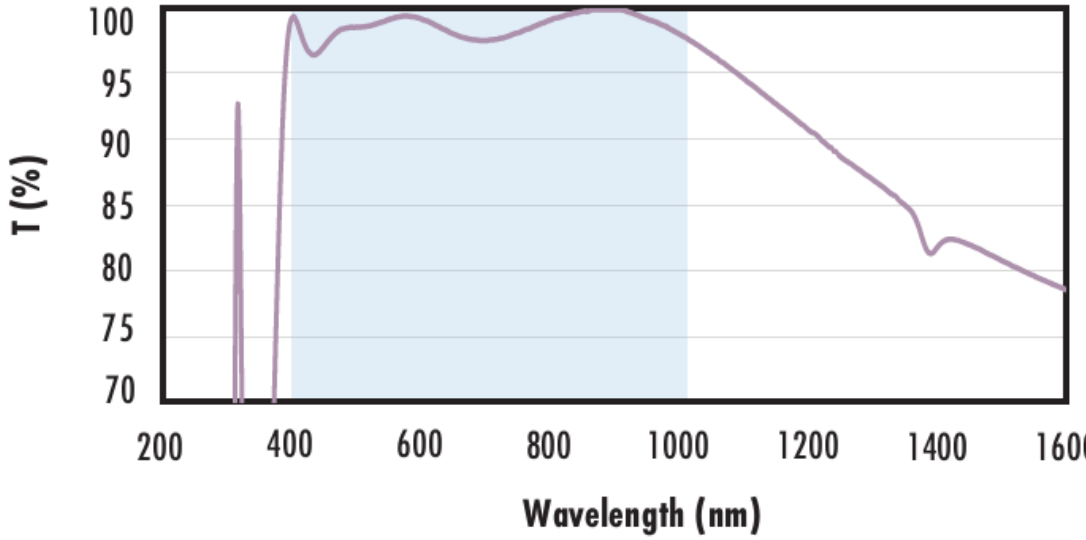
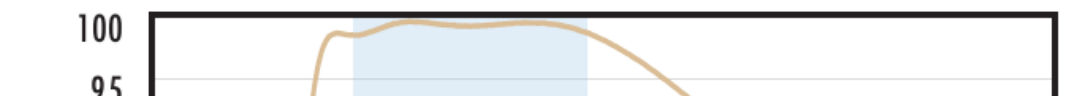
Produktdetails

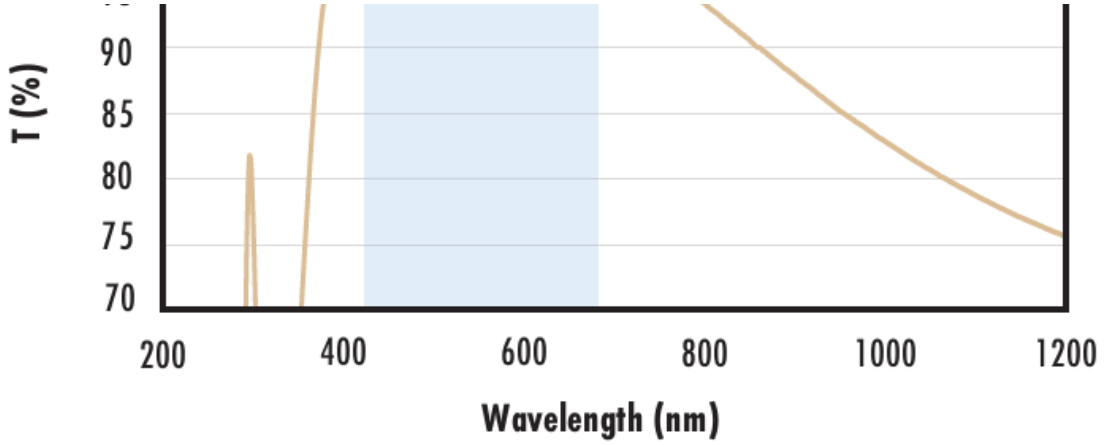
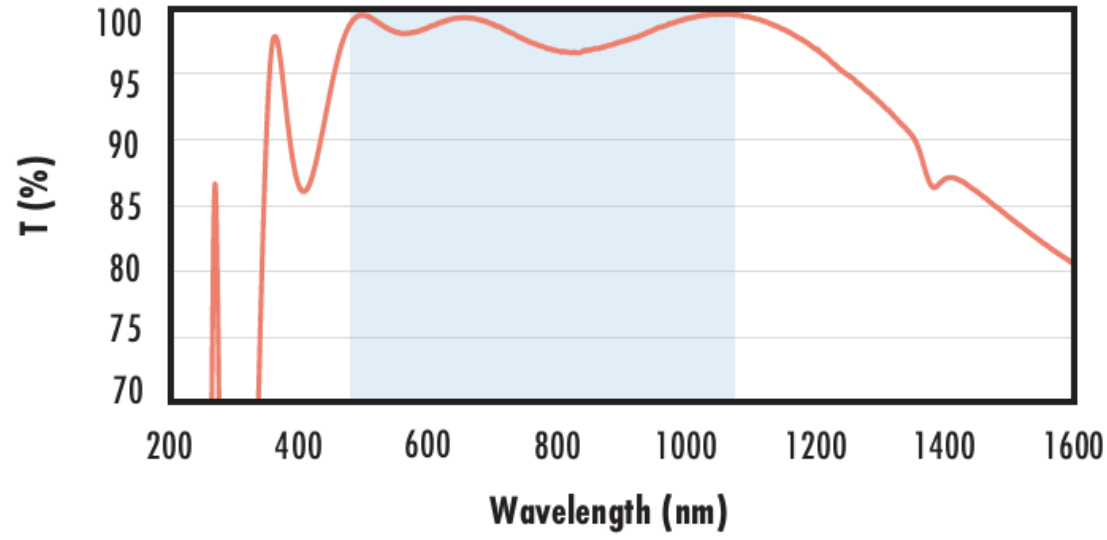
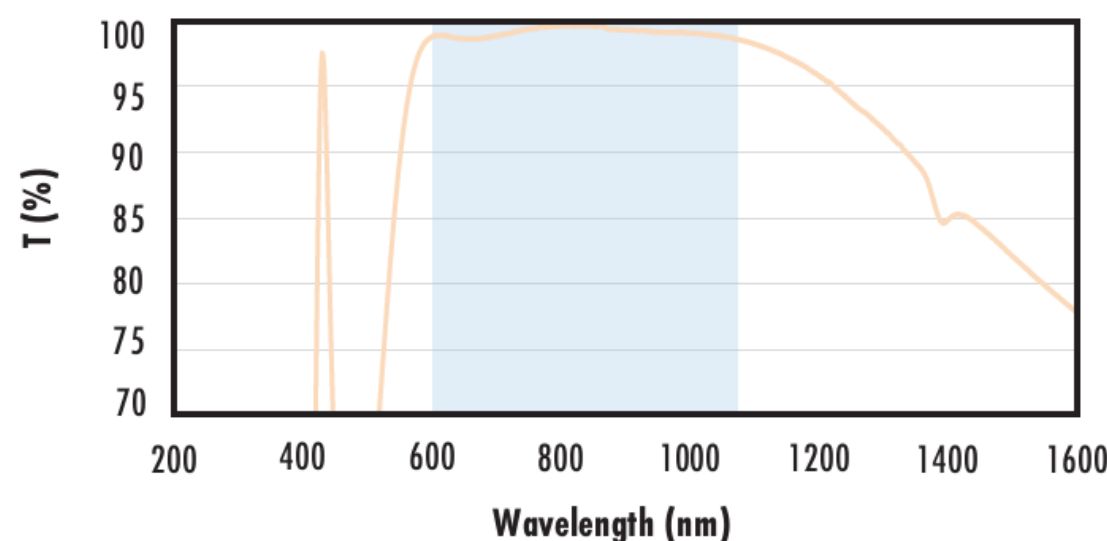
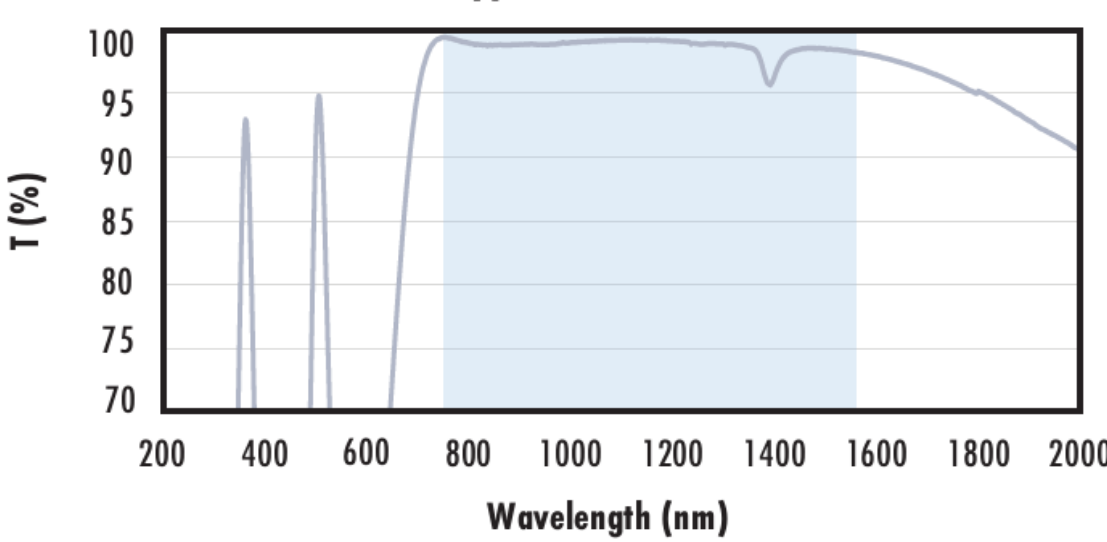
- Diese hochqualitativen optischen Elemente werden mit CNC-Maschinen nach dem neuesten Stand der Technik gefertigt. Die UV-Linsen werden aus synthetischem Quarzglas hergestellt. Zusätzlich zur exzellenten Transmission und hohen Temperaturbeständigkeit, bieten die Linsen eine besonders hohe chemische Reinheit. Diese Linsen sind die ideale Wahl für viele Laseranwendungen und bildgebende Anwendungen, besonders im UV-Bereich. Die breitbandige Antireflexbeschichtung ermöglicht eine höhere Transmission im UV-Bereich.

The diagram illustrates the geometry of a lens. A cross-section shows a blue lens with a central point P'' . The diameter is labeled 'Dia.'. The thickness at the center is 'ET'. The radius of curvature is R_1 . The front surface is 'Flat Annulus'. The effective focal length is 'EFL' and the back focal length is 'BFL'. A red arrow indicates the optical axis.

Below the diagram is a graph titled 'Transmittance UV-Grade Fused Silica (10mm Thickness)'. The y-axis is 'Transmittance - (%)' from 0 to 100. The x-axis has two scales: 'Wavelength (nanometers)' from 150 to 300 and 'Wavelength (microns)' from 1 to 5. The graph shows high transmittance in the visible range and significant absorption peaks in the UV and IR regions.

FUSED SILICA	
Uncoated Fused Silica Typical Transmission	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	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 - 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 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 - 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 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: $R_{abs} \leq 1.0\%$ @ 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 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: $R_{avg} \leq 0.5\%$ @ 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 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: $R_{abs} \leq 0.25\%$ @ 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 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.

	Typical transmission of a 3mm thick fused silica window with YAG-BBAR (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 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
Fused Silica with NIR I Coating Typical Transmission 	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
Fused Silica with NIR II Coating Typical Transmission 	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

Kompatible Halterungen