

TECHSPEC[®] Plankonkave Linse, 25 mm Durchmesser x -50 mm Brennweite, NIR-I-beschichtet



Produkt **#49-536** **13 In Stock**

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-

1

+

€51^{,50}

+ WARENKORB

Mengenrabatte	
Stk. 1-9	€51,50 stückpreis
Stk. 10-25	€46,25 stückpreis
Stk. 26-49	€41,25 stückpreis
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Produktdetails	
Plano-Concave Lens	Typ:
Physikalische und mechanische Eigenschaften	

25.00 +0.0/-0.025	Durchmesser (mm):
Protective as needed	Fase:
3.50	Mittendicke CT (mm):
±0.10	Toleranz Mittendicke (mm):
<1	Zentrierung (Bogenminuten):
24.00	Freie Apertur CA (mm):
6.33	Randdicke ET (mm):

Optische Eigenschaften

-50.00	Effektive Brennweite EFL (mm):
N-BK7	Substrat: ☐
2.00	Blende:
0.25	Numerische Apertur NA:
NIR I (600-1050nm)	Beschichtung:
600 - 1050	Wellenlängenbereich (nm):
-52.31	Hintere Brennweite BFL (mm):
R _{avg} ≤0.5% @ 600 - 1050nm	Beschichtungsspezifikation:
587.6	Designwellenlänge Brennweite (nm):
±1	Toleranz Brennweite (%):
-25.84	Radius R ₁ (mm):
40-20	Oberflächenqualität:
7 J/cm ² @ 1064nm, 10ns	Zerstörschwelle, laut Design: ☐
1.5λ	Power (P-V) @ 632,8 nm:
λ/4	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:

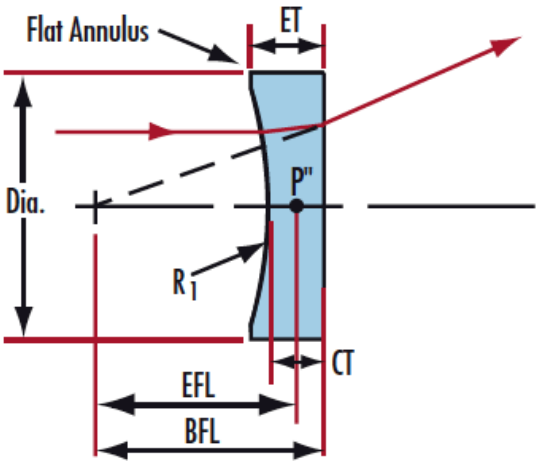
- Kundenspezifische Abmessungen, Materialien und mehr
- Hochpräzise Oberflächenqualität und -ebenheit
- Enge Toleranzen und komplexe Formen
- Skalierbare Produktion – vom Prototypen zur Serie

Erfahren Sie mehr über unsere [kundenspezifischen Fertigungsmöglichkeiten](#) oder senden Sie [hier](#) eine Anfrage.

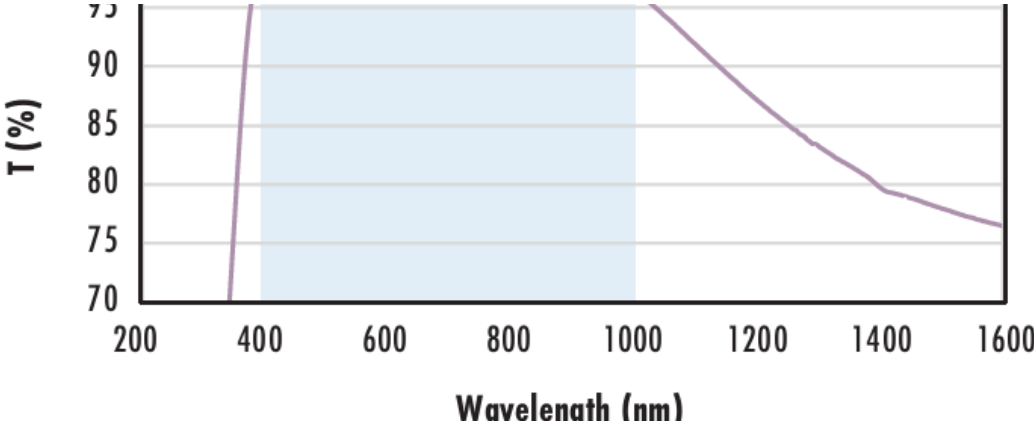
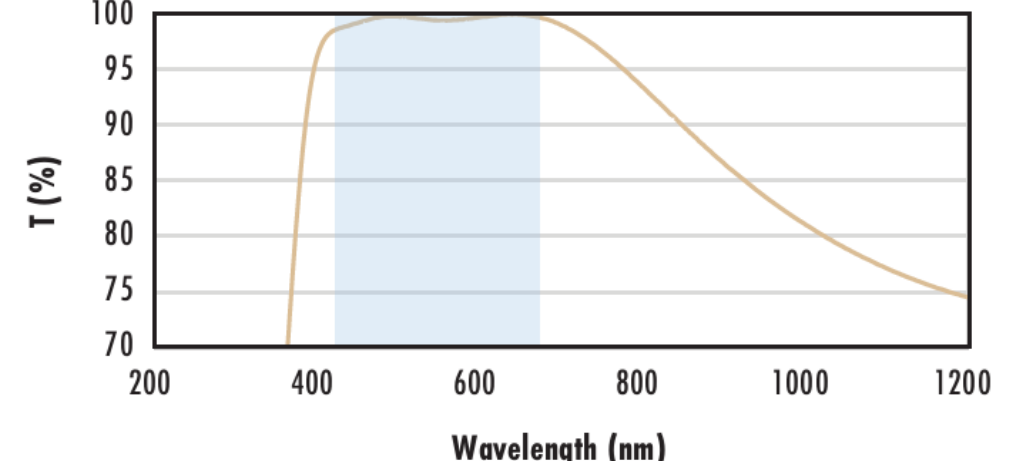
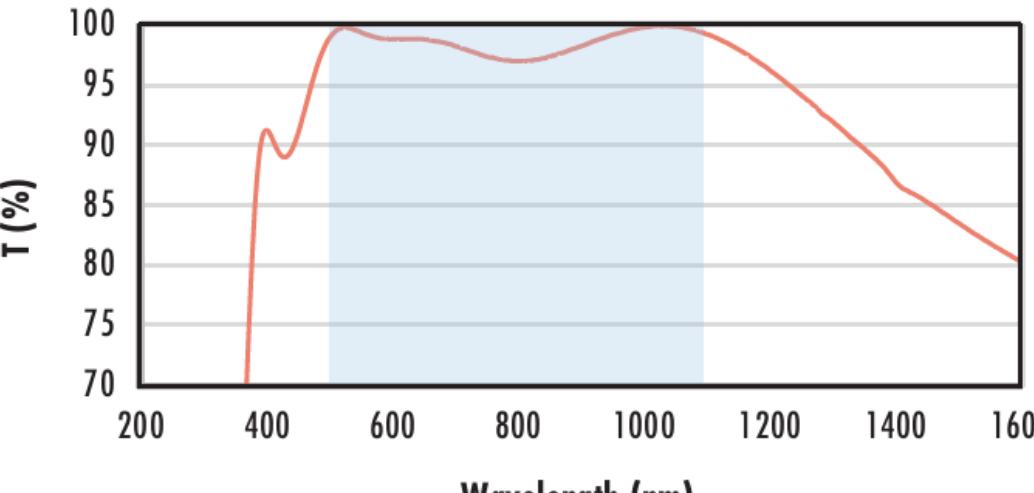
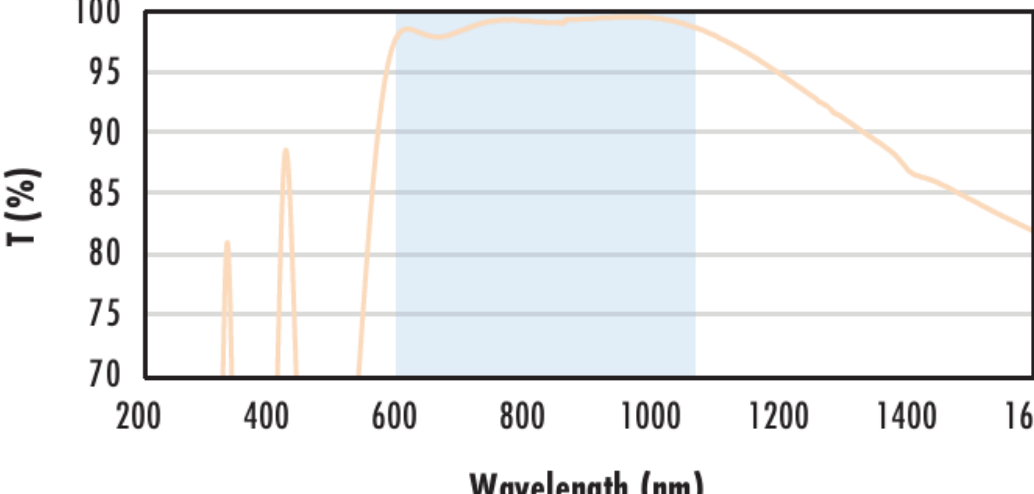
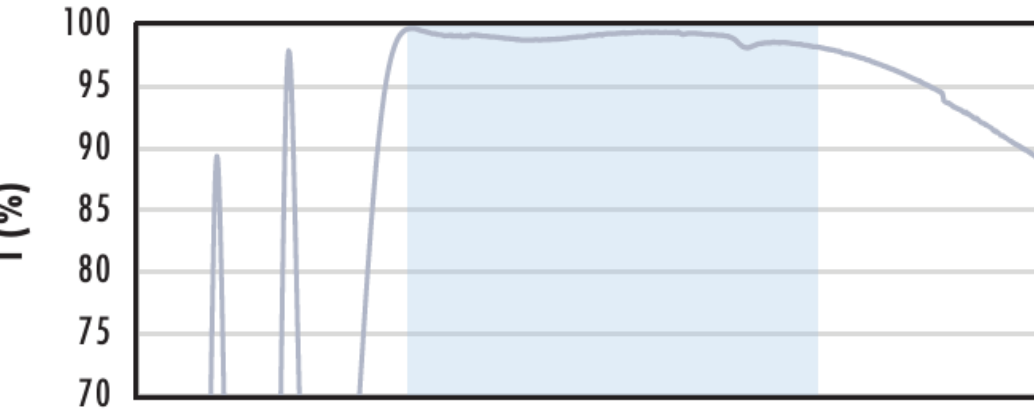
Produktdetails

- AR-beschichtet für <0,5% Reflexion pro Oberfläche bei 600 - 1050 nm
 - Entwickelt für einen Einfallswinkel von 0°
 - Verschiedenste Beschichtungsoptionen: [unbeschichtet](#), [VIS-EXT](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [YAG-BBAR](#) und [NIR II](#)
- TECHSPEC® Plankonkave Linsen (PCV) mit NIR-I-Beschichtung sind so konstruiert, dass sie parallele Eingangsstrahlen auf der Ausgangsseite der Linse auseinanderlaufen lassen, wodurch diese Linse eine negative Brennweite hat. Aufgrund ihrer negativen sphärischen Aberration lassen sich mit diesen Linsen Aberrationen ausgleichen, die durch andere Linsen innerhalb eines Systems entstehen. Plankonkave Linsen (PCV-Linsen) werden häufig in

Technische Informationen



Uncoated N-BK7 Typical Transmission <table border="1"><caption>Approximate data for Uncoated N-BK7 Typical Transmission</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr></thead><tbody><tr><td>200</td><td>70</td></tr><tr><td>300</td><td>85</td></tr><tr><td>400</td><td>92</td></tr><tr><td>600</td><td>92</td></tr><tr><td>800</td><td>92</td></tr><tr><td>1000</td><td>92</td></tr><tr><td>1200</td><td>92</td></tr><tr><td>1400</td><td>92</td></tr><tr><td>1600</td><td>92</td></tr><tr><td>1800</td><td>92</td></tr><tr><td>2000</td><td>91</td></tr><tr><td>2200</td><td>88</td></tr></tbody></table>		Wavelength (nm)	Transmission T (%)	200	70	300	85	400	92	600	92	800	92	1000	92	1200	92	1400	92	1600	92	1800	92	2000	91	2200	88	Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra. Click Here to Download Data				
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	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
N-BK7 with VIS 0° Coating Typical Transmission 	Typical transmission of a 3mm thick N-BK7 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
N-BK7 with YAG-BBAR Coating Typical Transmission 	Typical transmission of a 3mm thick N-BK7 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
N-BK7 with NIR I Coating Typical Transmission 	Typical transmission of a 3mm thick N-BK7 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
N-BK7 with NIR II Coating Typical Transmission 	Typical transmission of a 3mm thick N-BK7 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

200	400	600	800	1000	1200	1400	1600	1800	2000	
Wavelength (nm)										

Kompatible Halterungen

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