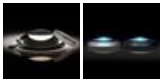


TECHSPEC[®]

35,0 mm Durchm. x 100,0 mm Brennweite, plankonvexe Linse (PCX) mit geschwärztem Rand und VIS-EXT-Beschichtung



Produkt **#38-482-INK** 1 In Stock

[Andere Beschichtungen](#)

-

1

+

€76^{.00}

+ WARENKORB

Mengenrabatte	
Stk. 1-9	€76,00 stückpreis
Stk. 10-24	€68,50 stückpreis
Stk. 25-49	€60,50 stückpreis
Need More?	Angebotsanfrage

ⓘ Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

Produktdetails

Plano-Convex Lens

Typ:

Physikalische und mechanische Eigenschaften

Durchmesser (mm):	35.00 ±0.025
Zentrierung (Bogenminuten):	<1
Mittendicke CT (mm):	4.50 ±0.10
Randdicke ET (mm):	1.45
Freie Apertur CA (mm):	34
Fase:	Protective as needed

Optische Eigenschaften

Effektive Brennweite EFL (mm):	100.00 @ 587.6nm
Hintere Brennweite BFL (mm):	97.03
Beschichtung:	VIS-EXT (350-700nm)
Beschichtungsspezifikation:	R _{avg} <0.5% @ 350 - 700nm
Substrat: ☐	N-BK7
Oberflächenqualität:	40-20
Power (P-V) @ 632,8 nm:	1.5λ
Unregelmäßigkeit (P-V) @ 632,8 nm:	λ/4
Toleranz Brennweite (%):	±1
Radius R ₁ (mm):	51.68
Blende:	2.86
Numerische Apertur NA:	0.18
Wellenlängenbereich (nm):	350 - 700
Zerstörschwelle, laut Design: ☐	5 J/cm ² @ 532nm, 10ns

Konformität mit Standards

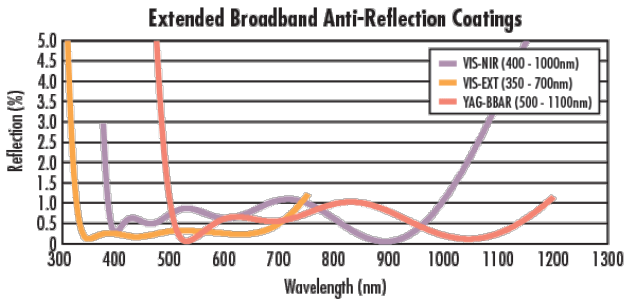
Konformitätszertifikat:	Anzeigen
-------------------------	----------

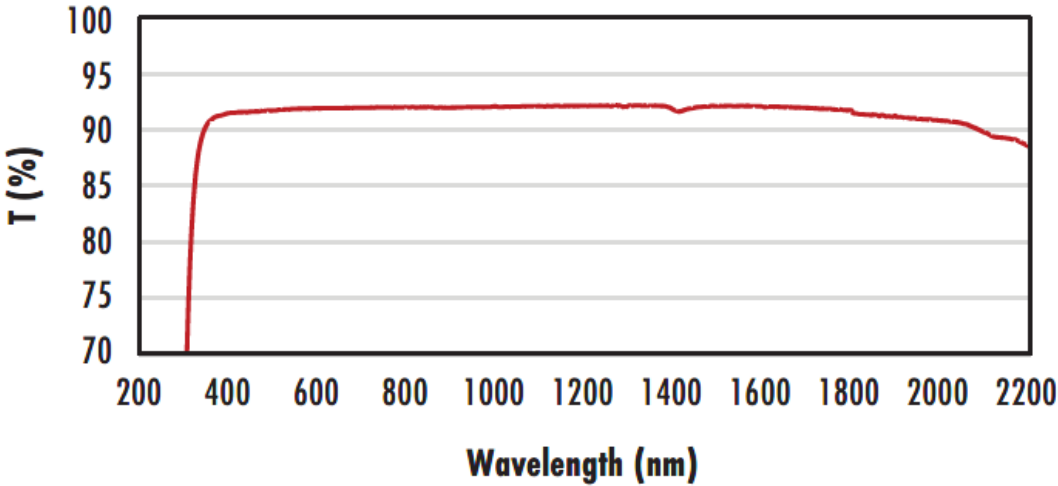
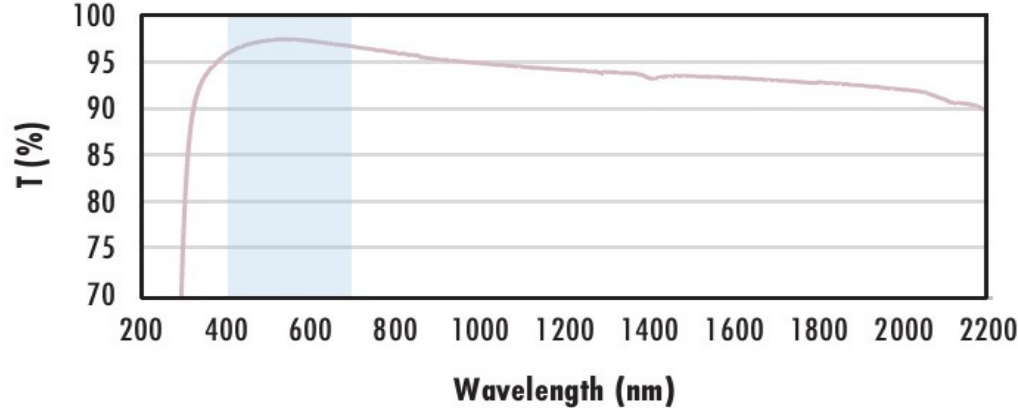
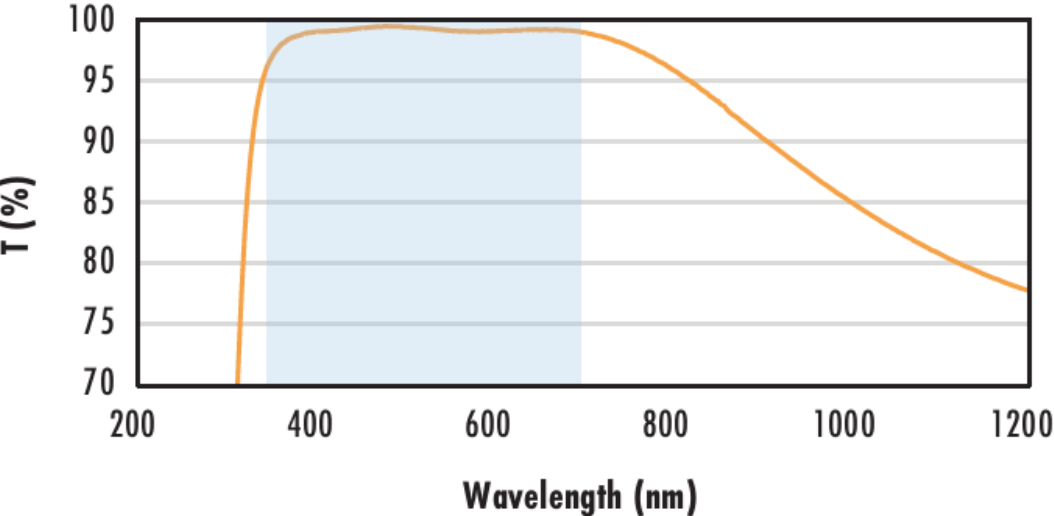
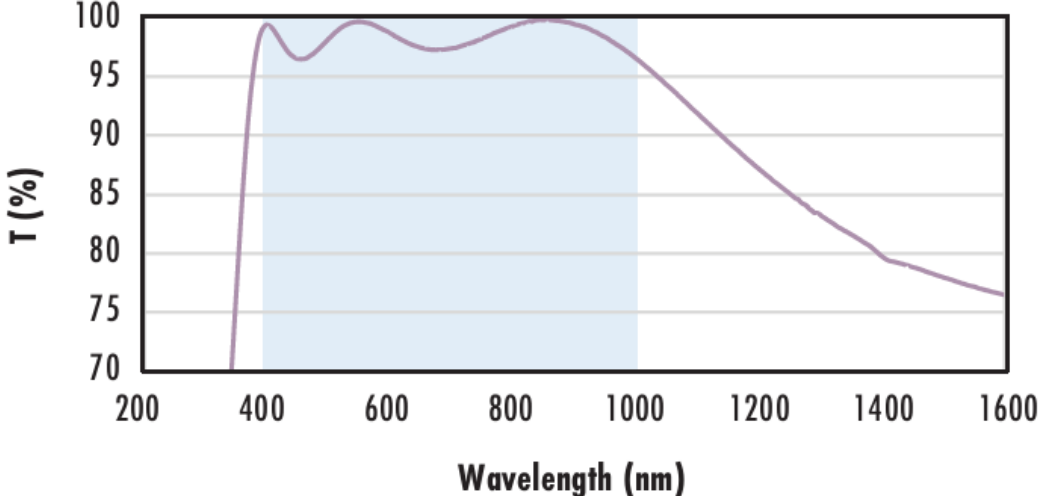
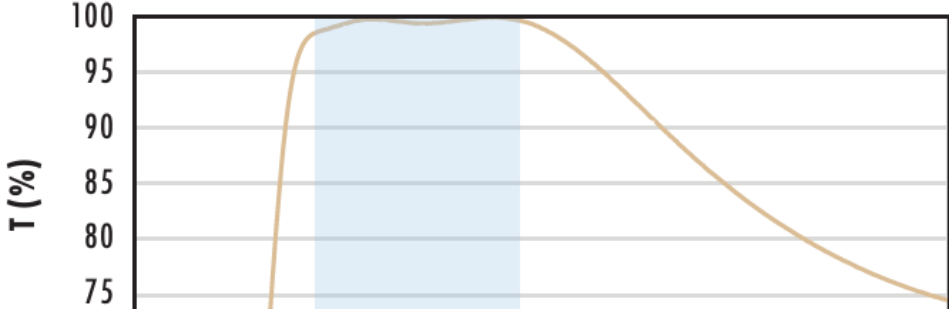
Produktdetails

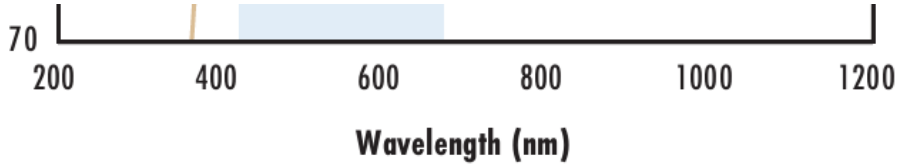
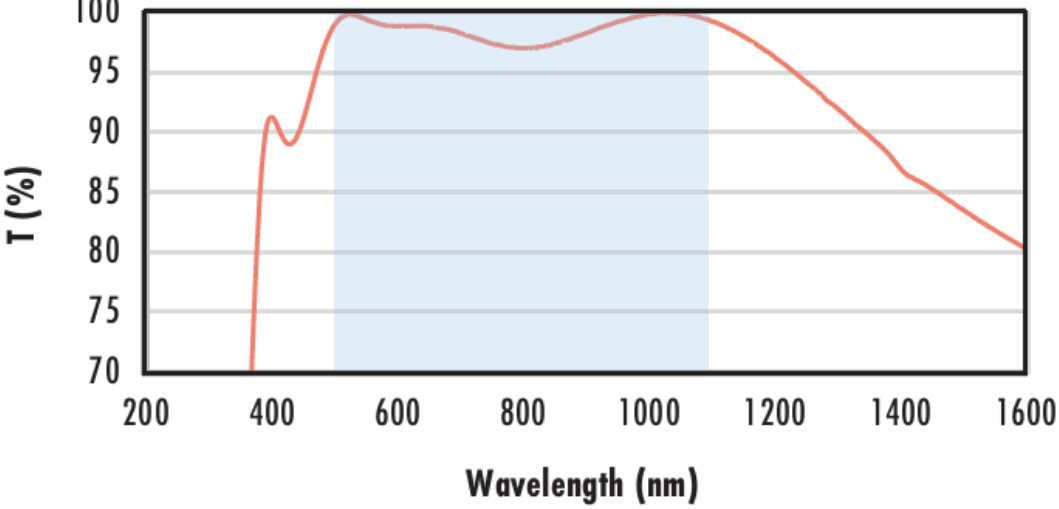
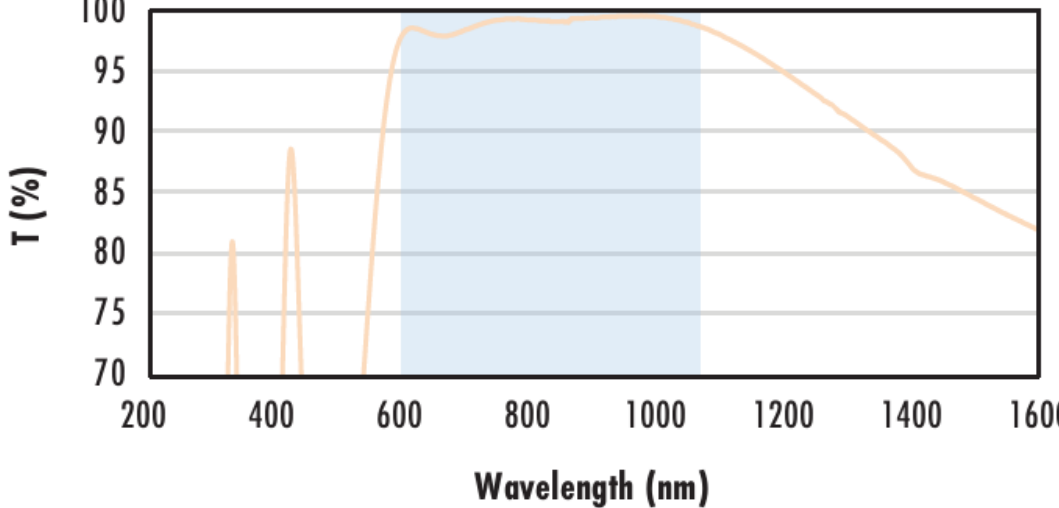
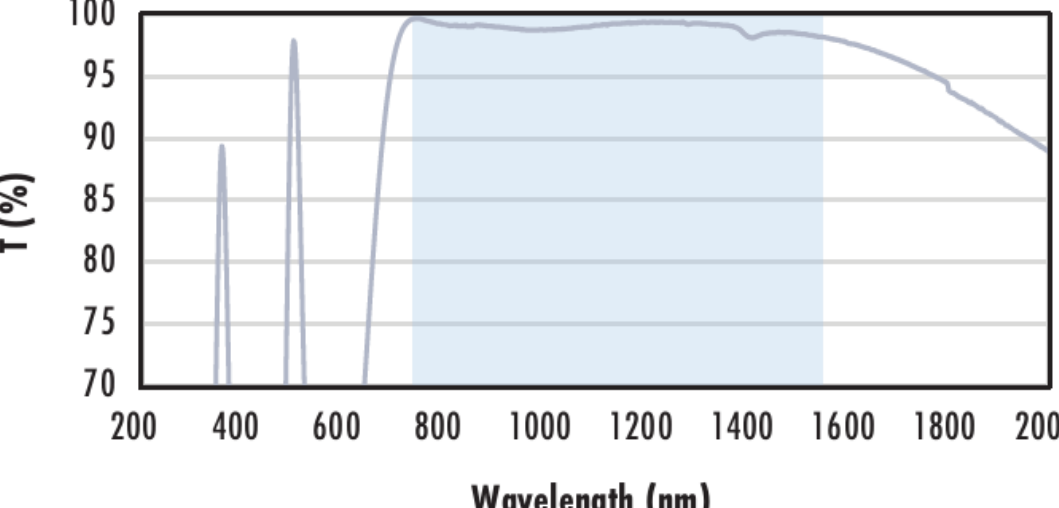
- Breitband-Antireflexbeschichtung für das sichtbare Spektrum mit verbesserten UV-Eigenschaften
- Reflexion pro Oberfläche <0,5% im Bereich von 350 – 700 nm
- Für 0° Einfallswinkel ausgelegt
- Verschiedene Beschichtungen erhältlich: [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#) und [YAG-BBAR](#) oder [unbeschichtet](#)

TECHSPEC® Plankonvexe Linsen (PCX) mit VIS-EXT-Beschichtung haben eine positive Brennweite und sind ideal für die Fokussierung von Licht in abbildenden Anwendungen. Sie können gut in Verbindung mit Emittlern, Detektoren, Lasern und Faseroptiken eingesetzt werden. TECHSPEC® Plankonvexe Linsen (PCX) mit VIS-EXT-Beschichtung sind in einer Vielzahl von Durchmessern und Brennweiten erhältlich. Identische Designs dieser Linsen werden auch [unbeschichtet](#) oder mit breitbandigen Antireflexionsbeschichtungen (BBAR) angeboten, dazu gehören [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#) und [YAG-BBAR](#).

Technische Informationen



Uncoated N-BK7 Typical Transmission  A line graph showing the typical transmission T (%) of a 3mm thick uncoated N-BK7 window across a wavelength range from 200 nm to 2200 nm. The y-axis ranges from 70 to 100 in increments of 5. The x-axis ranges from 200 to 2200 in increments of 200. The transmission curve starts at approximately 70% at 200 nm, rises sharply to about 92% by 400 nm, and then remains relatively flat, ending at approximately 88% at 2200 nm.	Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra. Click Here to Download Data
N-BK7 with MgF₂ Coating Typical Transmission  A line graph showing the typical transmission T (%) of a 3mm thick N-BK7 window with MgF₂ coating across a wavelength range from 200 nm to 2200 nm. The y-axis ranges from 70 to 100 in increments of 5. The x-axis ranges from 200 to 2200 in increments of 200. The transmission curve starts at approximately 70% at 200 nm, rises to about 95% by 400 nm, peaks at approximately 98% around 500 nm, and then gradually decreases to about 90% at 2200 nm. A blue shaded region highlights the design wavelength range from 400 nm to 700 nm.	Typical transmission of a 3mm thick N-BK7 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
N-BK7 with VIS-EXT Coating Typical Transmission  A line graph showing the typical transmission T (%) of a 3mm thick N-BK7 window with VIS-EXT coating across a wavelength range from 200 nm to 1200 nm. The y-axis ranges from 70 to 100 in increments of 5. The x-axis ranges from 200 to 1200 in increments of 200. The transmission curve starts at approximately 70% at 200 nm, rises to about 95% by 350 nm, and then remains relatively flat, ending at approximately 78% at 1200 nm. A blue shaded region highlights the design wavelength range from 350 nm to 700 nm.	Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.5\% @ 350 - 700\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
N-BK7 with VIS-NIR Coating Typical Transmission  A line graph showing the typical transmission T (%) of a 3mm thick N-BK7 window with VIS-NIR coating across a wavelength range from 200 nm to 1600 nm. The y-axis ranges from 70 to 100 in increments of 5. The x-axis ranges from 200 to 1600 in increments of 200. The transmission curve starts at approximately 70% at 200 nm, rises to about 95% by 400 nm, and then remains relatively flat, ending at approximately 75% at 1600 nm. A blue shaded region highlights the design wavelength range from 400 nm to 1000 nm.	Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 0.25\% @ 880\text{nm}$ $R_{avg} \leq 1.25\% @ 400 - 870\text{nm}$ $R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}$ 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  A line graph showing the typical transmission T (%) of a 3mm thick N-BK7 window with VIS 0° coating across a wavelength range from 200 nm to 1600 nm. The y-axis ranges from 75 to 100 in increments of 5. The x-axis ranges from 200 to 1600 in increments of 200. The transmission curve starts at approximately 75% at 200 nm, rises to about 95% by 425 nm, and then remains relatively flat, ending at approximately 75% at 1600 nm. A blue shaded region highlights the design wavelength range from 425 nm to 675 nm.	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: $R_{avg} \leq 0.4\% @ 425 - 675\text{nm}$ 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

Kundenspezifische Produkte

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.