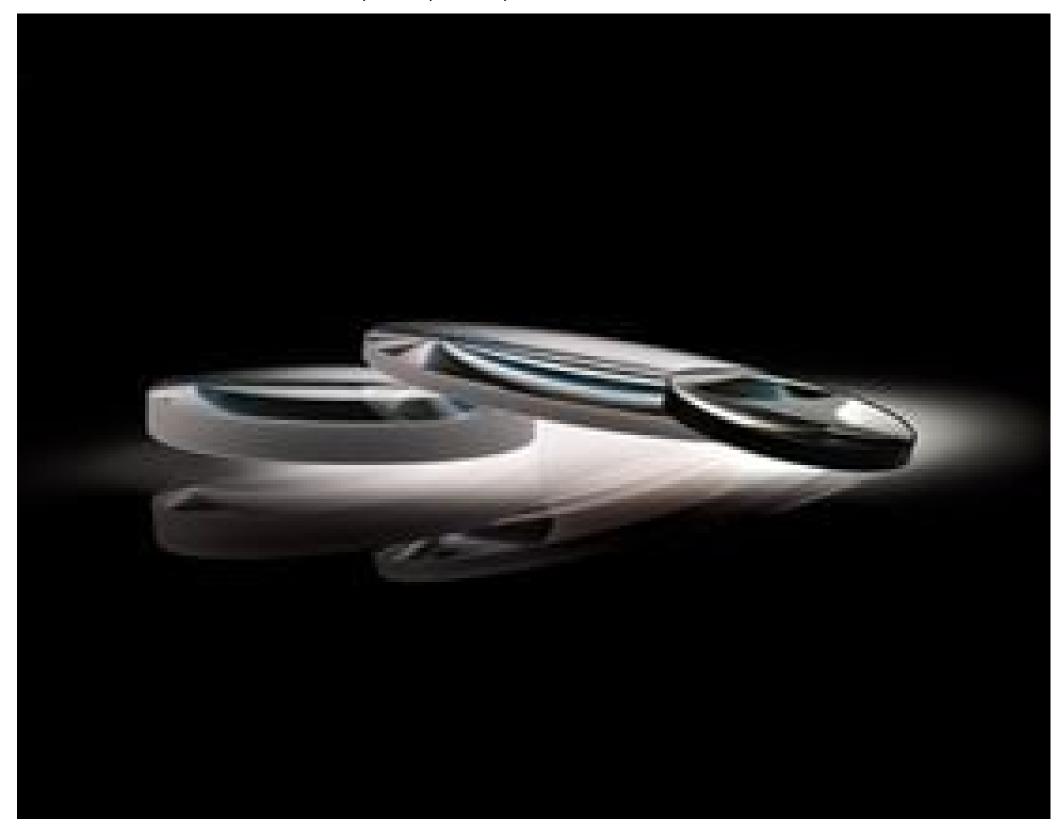


 $\underline{\textit{All Products}} \, / \, \underline{\textit{Optics}} \, / \, \underline{\textit{Optical Lenses}} \, / \, \underline{\textit{Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NIR I Coated Double-Convex}} \, (\underline{\textit{DCX) Lenses}} \, / \, \underline{\textit{NI$

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TECHSPEC 12mm Dia. x 24mm FL, NIR I, Inked, Double-Convex Lens





Stock #33-392-INK CONTACT US ☐ Other Coating Options





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Volume Pricing	
Qty 1-9	£47.28 each
Qty 10-24	£42.47 each
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Product Downloads

Type: Double-Convex Lens	
Physical & Mechanical Properties	
Diameter (mm): 12.00 ±0.025	
Centering (arcmin):	
Bevel: Protective as needed	
Center Thickness CT (mm): 4.00	
Center Thickness Tolerance (mm): ±0.05	
Edge Thickness ET (mm): 2.48	
Clear Aperture CA (mm): 11.00	
Optical Properties	
Back Focal Length BFL (mm): 22.65	
Effective Focal Length EFL (mm): 24.00	
Coating: NIR I (600-1050nm)	
N-BK7	
Surface Quality: 40-20	
Power (P-V) @ 632.8nm: 1.5λ	
Irregularity (P-V) @ 632.8nm:	
Radius R₁=-R₂ (mm): 24.108	
2.00	
Focal Length Specification Wavelength (nm): 587.6	
Numerical Aperture NA: 0.25	
Wavelength Range (nm): 600 - 1050	
Damage Threshold, By Design: ☐ 7 J/cm² @ 1064nm, 10ns	
Regulatory Compliance	

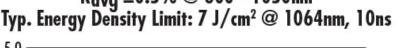
Certificate of Conformance: View

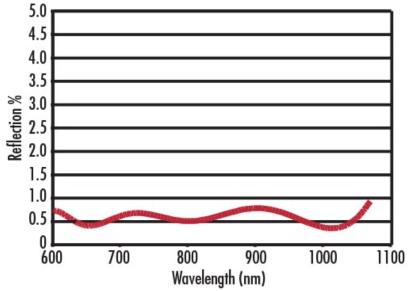
PRODUCT DETAILS

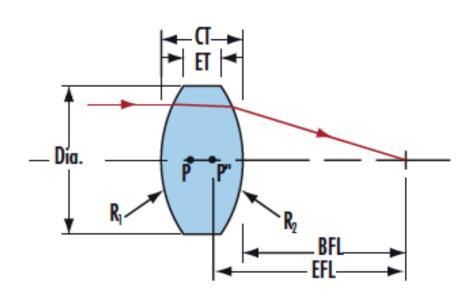
- AR Coated to Provide <0.5% Reflectance per Surface for 600 1050nm
- Minimize Aberrations Including Spherical and Coma
- UV Fused Silica DCX Lenses Available
- $\bullet \quad \text{Other Coating Options Available: } \textbf{Uncoated, MgF}_{2}, \textbf{VIS 0}^{\circ}, \textbf{NIR II}, \textbf{VIS-EXT, VIS-NIR}, \textbf{and YAG-BBAR}$

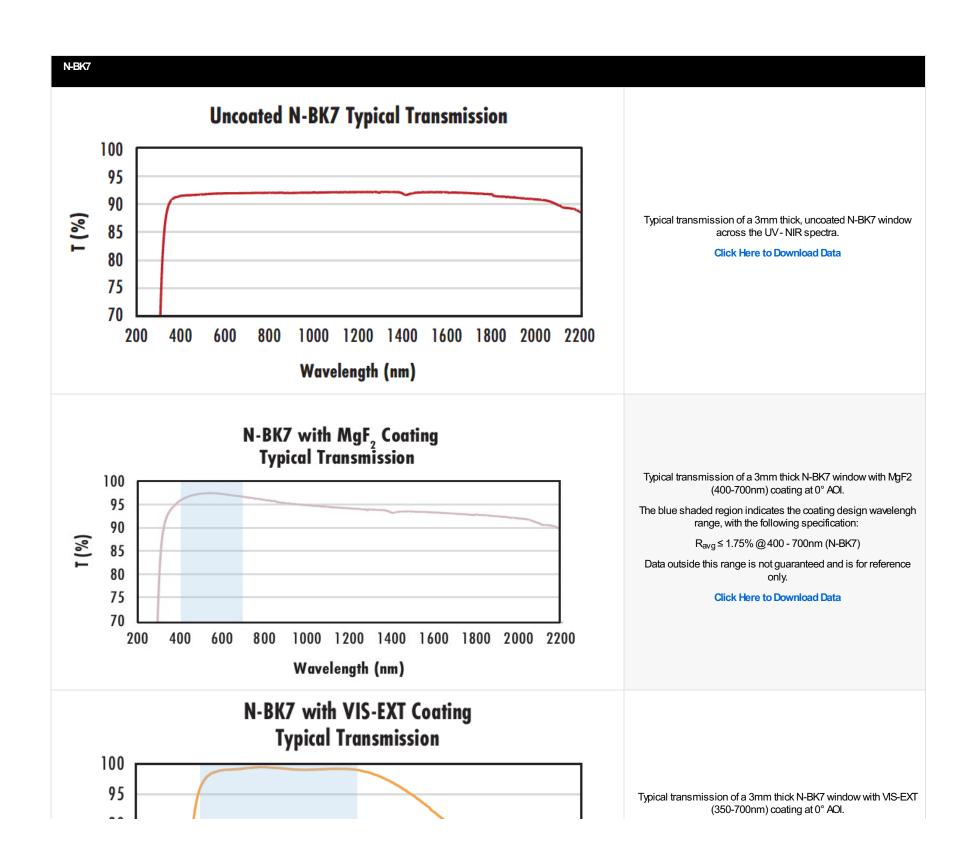
TECHSPEC® NIR I Coated Double-Convex (DCX) Lenses, also referred to as bi-convex lenses, have two positive, symmetrical faces with equal radii on both sides. These lenses are generally recommended for finite imaging applications with a conjugate ratio (ratio between object distance and image distance) between 0.2 and 5. At a conjugate ratio of 1, aberrations such as spherical aberration, chromatic aberration, coma, and distortion are minimized or cancelled due to the symmetric lens design. TECHSPEC® NIR I Coated Double-Convex Lenses are available in a variety of substrates and coating options for the visible and NIR spectra.

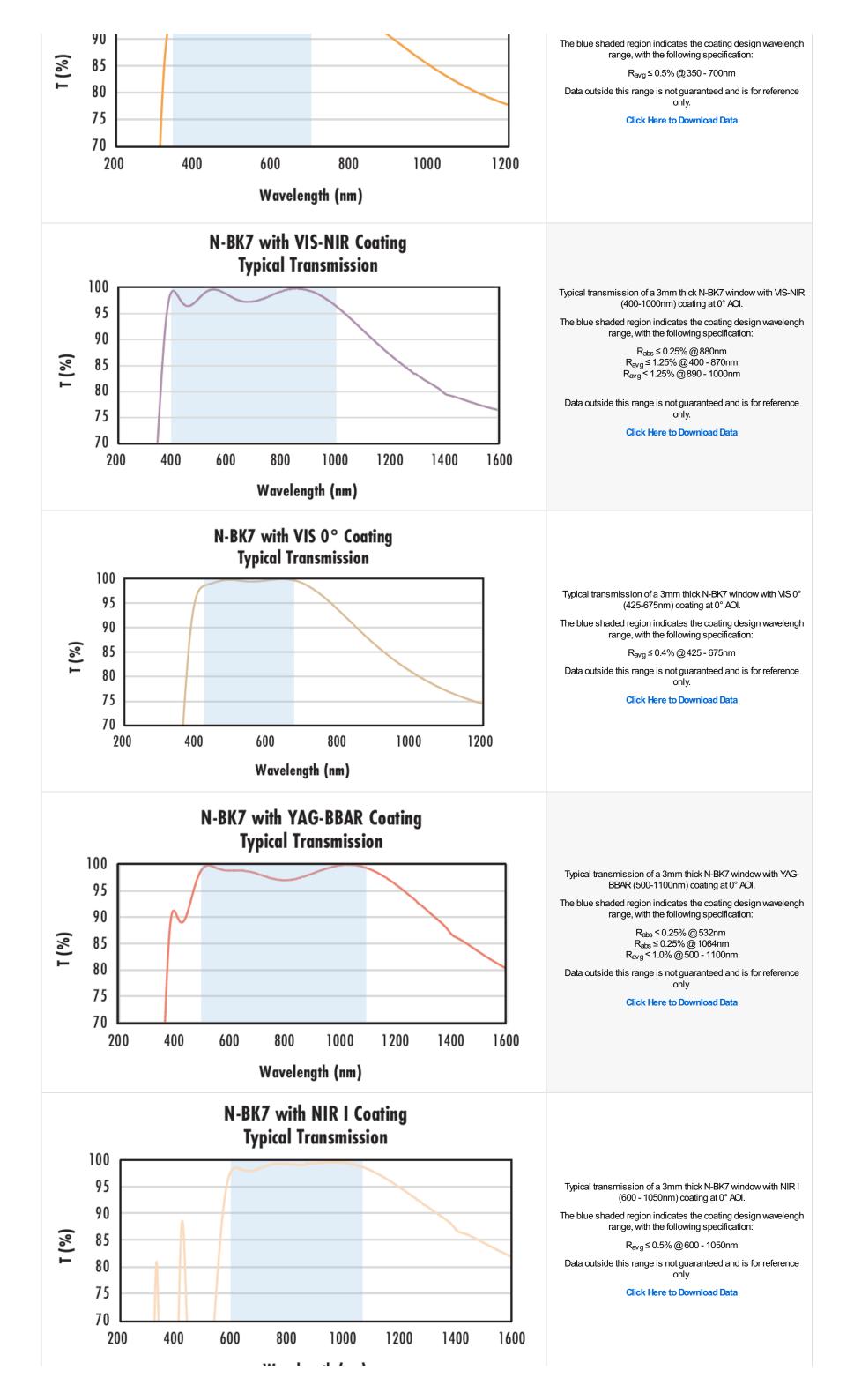
NIR I Coating R_{avg} ≤0.5% @ 600 - 1050nm Typ. Energy Density Limit: 7 J/cm² @ 1064nm, 10ns

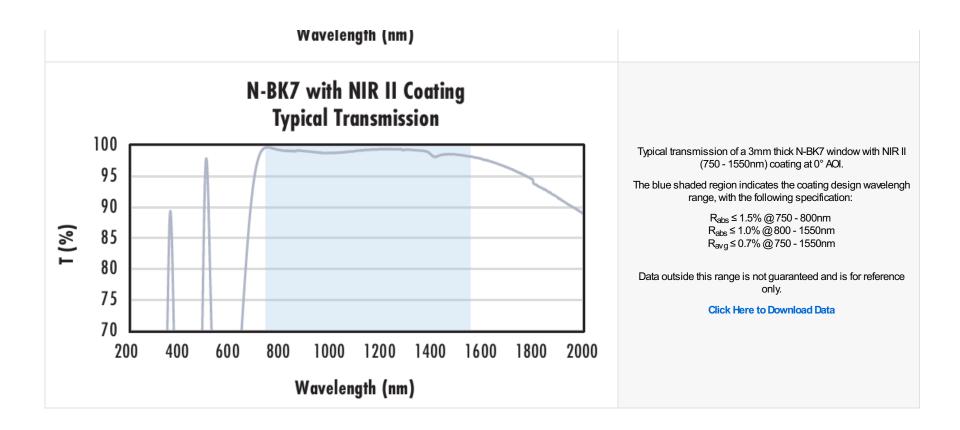












CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our custom manufacturing capabilities or submit an inquiry here.

COMPATIBLE MOUNTS