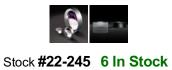
All Products / Optics / Optical Lenses / Plano-Concave (PCV) Lenses / VIS 0° Coated Plano-Concave (PCV) Lenses

☐ See all 49 Products in Family

# **TECHSPEC!** 20mm Diameter x -100 FL, VIS 0° Coated, Plano-Concave Lens







□ Other Coating Options

# ADD TO CART

Volume Pricing	
Qty 1-9	A\$74.16 <b>A\$37.08</b> each
Qty 10-25	A\$66.74 <b>A\$33.37</b> each
Qty 26-49	A\$59.33 <b>A\$29.67</b> each
Need More?	Request Quote

Product Downloads

# **SPECIFICATIONS**

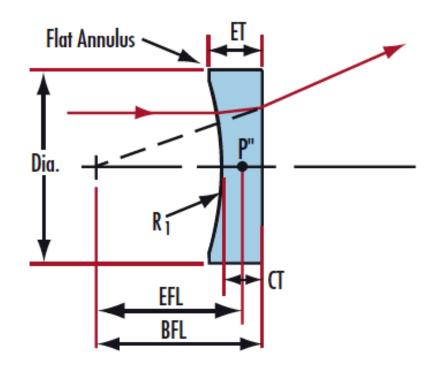
Physical & Mechanical Properties	
<b>Diameter (mm</b> 20.00 +0.0/-0.025	):
Protective as needed	I:
Center Thickness CT (mm	):
Center Thickness Tolerance (mm ±0.10	):
Centering (arcmin	):
Clear Aperture CA (mm	):
Edge Thickness ET (mm	):
Optical Properties	
Effective Focal Length EFL (mm -100.00	):
N-BK7	
4.00	<b>k</b> :
Numerical Aperture No 0.13	A:
<b>Coatin</b> e VIS 0° (425-675nm)	j:
Wavelength Range (nm 425 - 675	):
Back Focal Length BFL (mm -102.88	):
Coating Specification R <sub>avg</sub> ≤0.4% @ 425 - 675nm	1:
Focal Length Specification Wavelength (nm 587.6	):
Focal Length Tolerance (% ±1	<b>)</b> :
-51.68 <b>Radius R<sub>1</sub> (mm</b>	):
Surface Quality 40-20	r.
<b>Damage Threshold, Reference:</b> 5 J/cm <sup>2</sup> @ 532nm, 10ns	
<b>Power (P-V) @ 632.8nn</b> 1.5λ	1:
Irregularity (P-V) @ 632.8nn ∦4	ı:
Regulatory Compliance	
RoHS 2019 Compliant	5:
Certificate of Conformance View	): 
Reach 23:	5:

## PRODUCT DETAILS

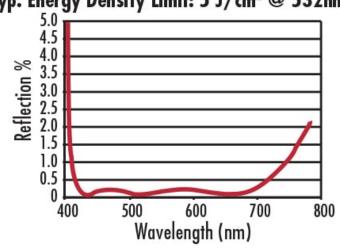
- AR Coated to Provide <0.4% Reflectance per Surface for 425 675nm
- Designed for 0° Angle of Incidence

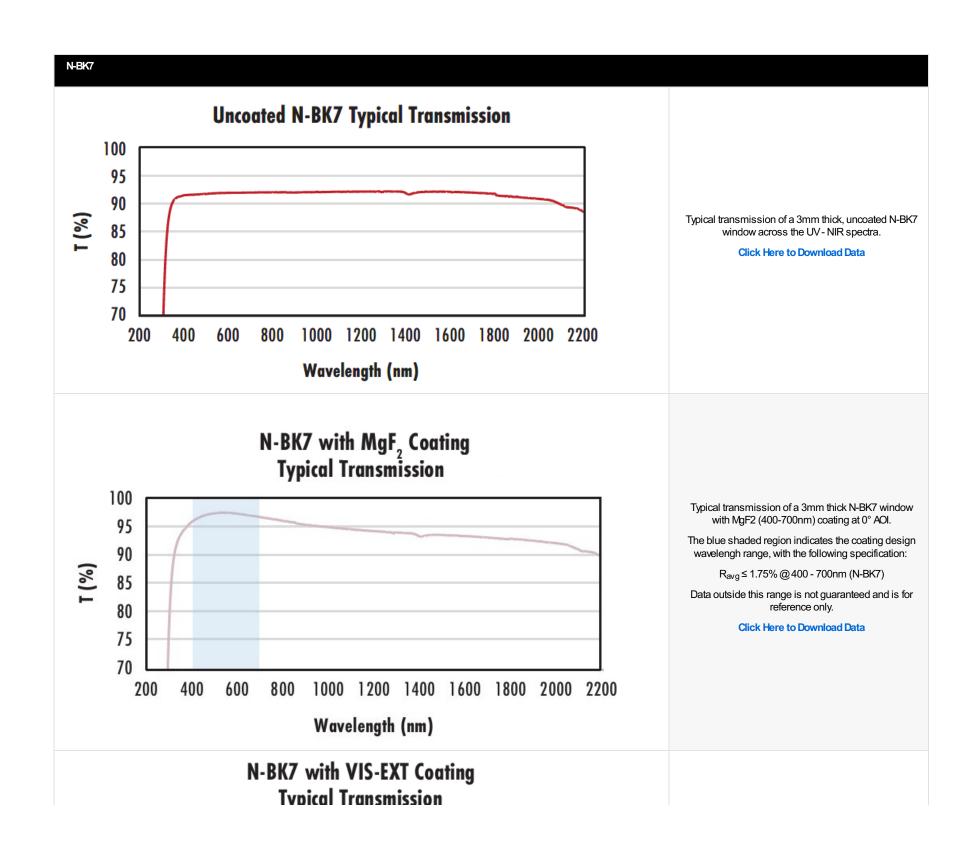
• Various Coating Options: Uncoated, VIS-EXT, MgF<sub>2</sub>, VIS-NIR, YAG-BBAR, NIR I, and NIR II

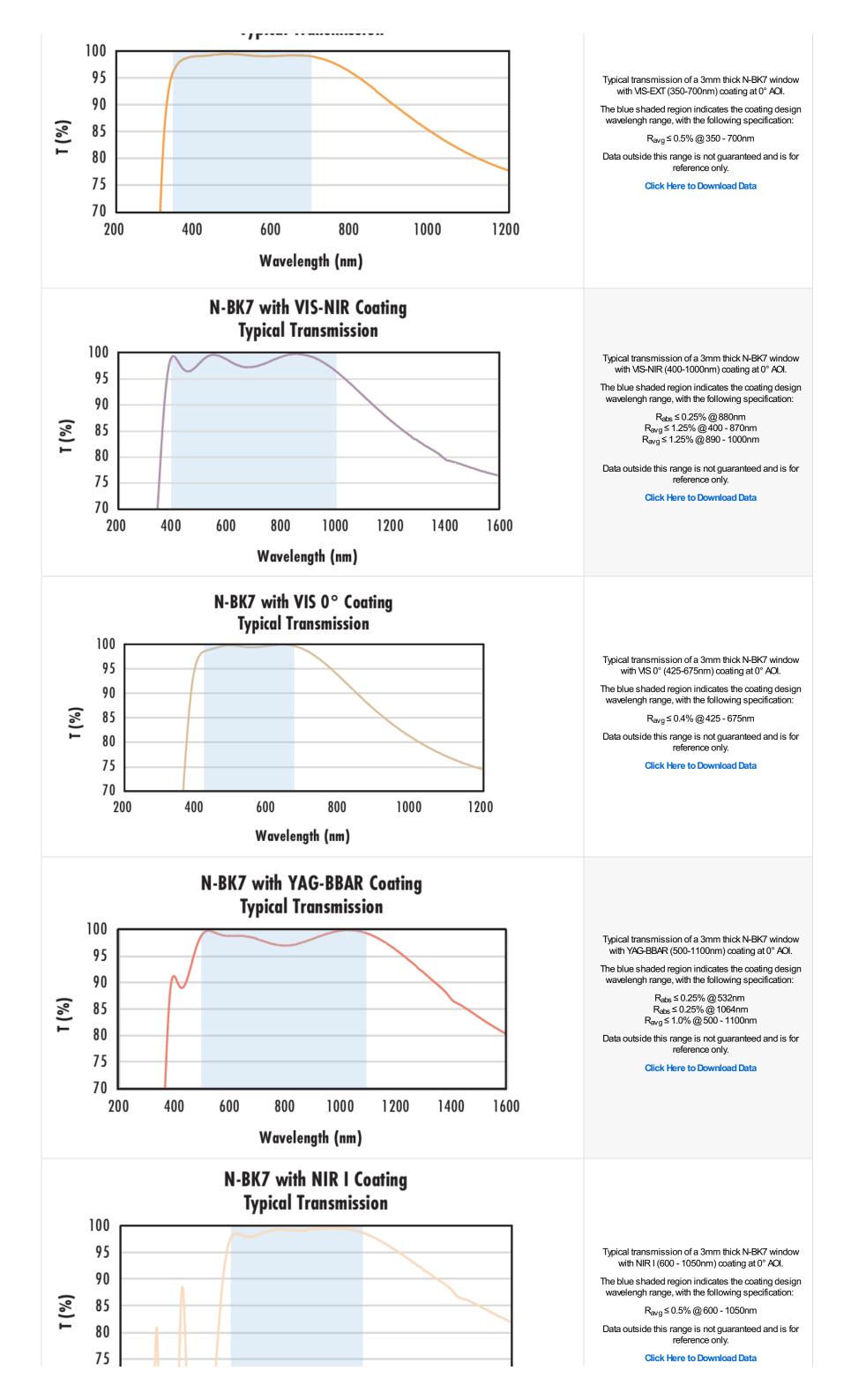
TECHSPEC® VIS 0° Coated Plano-Concave (PCV) Lenses are designed to bend parallel input rays to diverge from one another on the output side of the lens causing this lens to have a negative focal length. These lenses can be used for balancing aberrations created by other lenses within a system due to their negative spherical aberration. Plano-Concave (PCV) lenses are commonly used in a variety of applications including image reduction, beam expansion, and telescopes. TECHSPEC VIS 0° Coated Plano-Concave (PCV) Lenses are best used in 0° angle of incidence situations and provide optimized transmission in the 425nm – 675nm range. These lenses are also available Uncoated, VIS-EXT, MgF<sub>2</sub>, VIS-NIR, YAG-BBAR, NIR I, or with NIR II AR coating options.

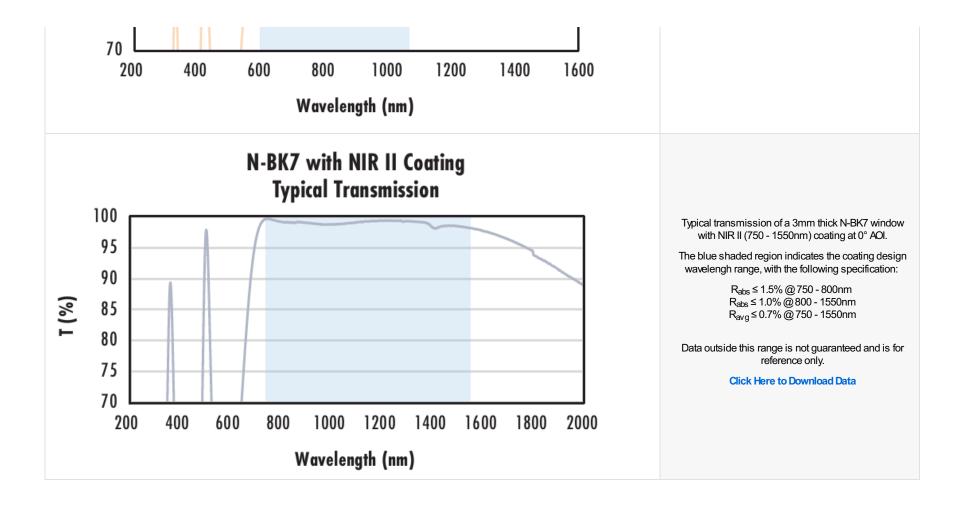


VIS 0° Coating
Ravg ≤0.4% @ 425 - 675nm
Typ. Energy Density Limit: 5 J/cm² @ 532nm, 10ns









### **COATING CURVES**

#### **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.