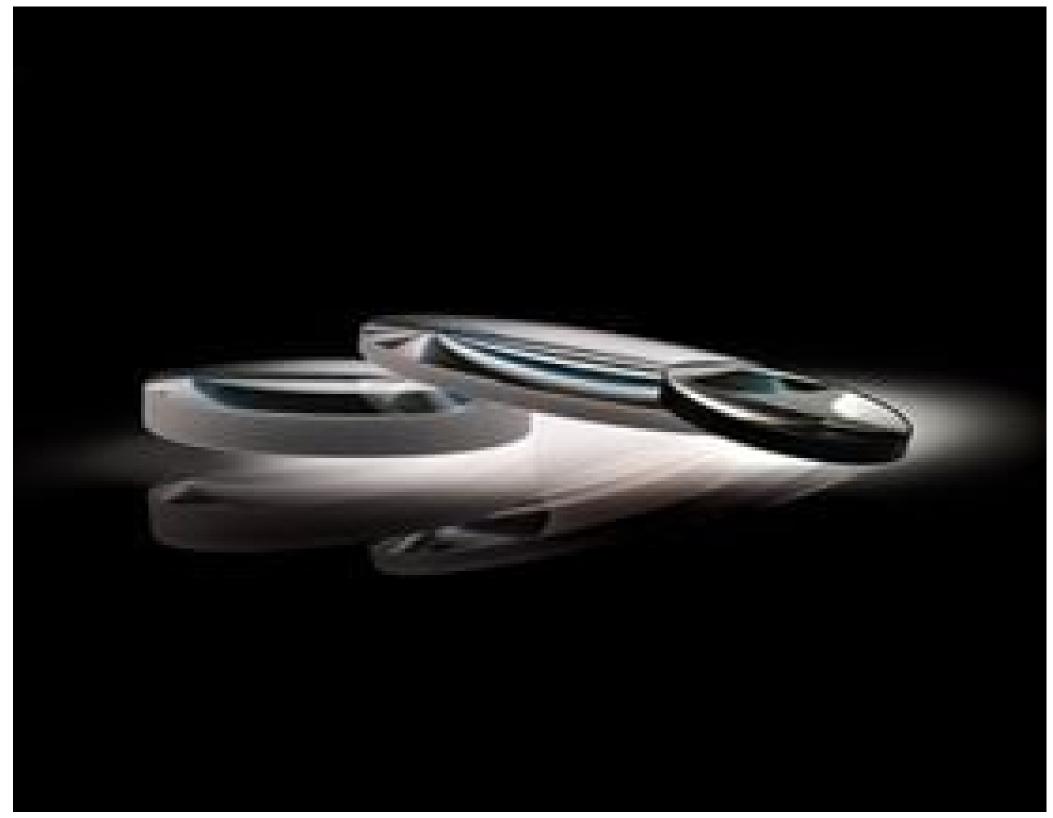


All Products / Optics / Optical Lenses / Double-Convex (DCX) Lenses / VIS-EXT Coated Double-Convex (DCX) Lenses

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TECHSPEC! 20mm Dia. x 20mm FL, VIS-EXT Coated, Double-Convex Lens





Stock **#89-168** 2 In Stock □ Other Coating Options







- 1 + A\$81.16

ADD TO CART

Volume Pricing	
Qty 1-9	A\$81.16 each
Qty 10-24	A\$72.92 each
Qty 25-99	A\$65.10 each
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SPECIFICATIONS

Physical & Mechanical Properties	
Diameter (mm) 20.00 +0.000/-0.025	
Centering (arcmin)	:
Protective as needed	
Center Thickness CT (mm) 5.00	
Center Thickness Tolerance (mm) ±0.10	
Edge Thickness ET (mm)	•
Clear Aperture CA (mm)	
Optical Properties	
Back Focal Length BFL (mm) 18.55	
Effective Focal Length EFL (mm) 20.00	:
Coating VIS-EXT (350-700nm)	
Coating Specification $R_{avg}\!<\!0.5\%\ @\ 350$ - 700nm	
N-SF11	
Surface Quality 40-20	
Power (P-V) @ 632.8nm 1.5λ	•
Irregularity (P-V) @ 632.8nm N4	
Radius R₁=-R₂ (mm) 30.25	
1.00	
Focal Length Specification Wavelength (nm) 587.6	:
Focal Length Tolerance (%)	:
Numerical Aperture NA	: :
Wavelength Range (nm)	:
De mulatare Carrellana	
Regulatory Compliance	
Compliant RoHS 2015:	
Certificate of Conformance:	
Reach 235:	

PRODUCT DETAILS

- AR Coated to Provide <0.5% Reflectance per Surface for 350 700nm
- Minimize Aberrations Including Spherical and Coma
- UV Fused Silica DCX Lenses Available
- Other Coating Options Available: Uncoated, MgF₂, VIS 0°, NIR I, NIR II, VIS-NIR, and YAG-BBAR

TECHSPEC® MS-EXT 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 VIS-EXT Coated Double-Convex Lenses are available in a variety of substrates and coating options for the visible and NIR spectra.

TECHNICAL INFORMATION

