# LT-APO/ULWD/NIR/0.35

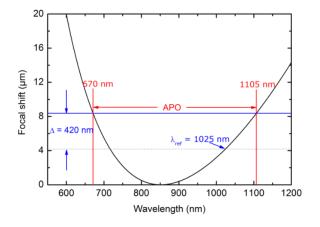
## **Technical Specifications**

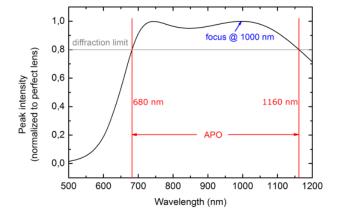
Optical Data	
clear aperture	4.7 mm
focal length	6.71 mm
numerical aperture(NA)	0.35
working distance	12.0 mm <sup>(2)</sup>
Spectral Performance	
AR coating (> 80% trasnmission)	400 1000 nm
apochromatic range (df < +/- delta)	6701105 nm <sup>(1)</sup>
Compatibility	
environment	low temperature, high magnetic fields, ultra high vacuum
compatible setups	CFM I/cust, AFM/CFM/cust, attoDRY800
suitable broadband collimator	RT-APO/VIS-NIR/0.13
Size and Dimensions	
diameter	24 mm
length	48.35 mm
weight	approx. 50 g



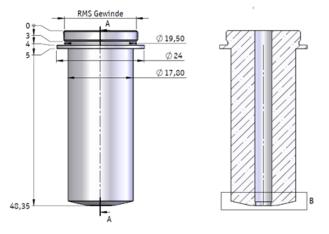
(1) df: chromatic focal shift, delta = n\* lambdaref / (2\*NA2): depth of focus, n: refractive index, lambdaref : wavelength used to define focal plane with max. delta (2) designed exclusively for use with diamond anvils of thickness 1.55 +/- 0.45 mm

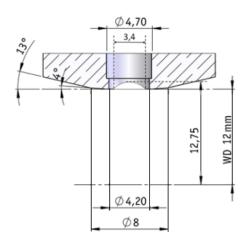
### Simulation Data on Chromatic Performance





#### **Technical Drawings**







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# LT-APO/ULWD/NIR/0.35/xs

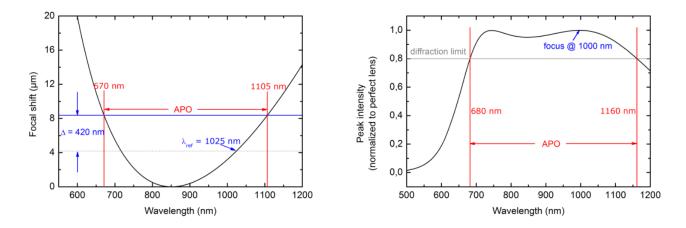
## **Technical Specifications**

Optical Data	
clear aperture	4.7 mm
focal length	6.71 mm
numerical aperture(NA)	0.35
working distance	12.0 mm <sup>(2)</sup>
Spectral Performance	
AR coating (> 80% trasnmission)	400 1000 nm
apochromatic range (df < +/- delta)	6701105 nm <sup>(1)</sup>
Compatibility	
environment	low temperature, high magnetic fields, ultra high vacuum
compatible setups	CFM I/cust, AFM/CFM/cust, attoDRY800
suitable broadband collimator	RT-APO/VIS-NIR/0.13
Size and Dimensions	
diameter	18.5 mm
length	50.35 mm
weight	approx. 50 g

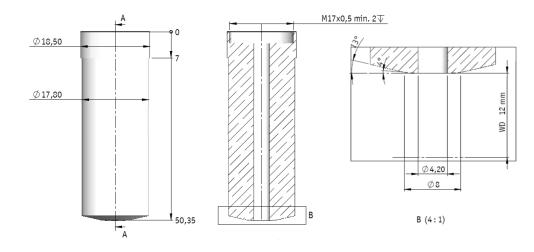


(1) df: chromatic focal shift, delta = n\* lambdaref / (2\*NA2): depth of focus, n: refractive index, lambdaref : wavelength used to define focal plane with max. delta (2) designed exclusively for use with diamond anvils of thickness 1.55 +/- 0.45 mm

### Simulation Data on Chromatic Performance



### **Technical Drawings**





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