

## Technical Specifications

Optical Data	
clear aperture [mm]	4.7
focal length [mm]	2.94
numerical aperture(NA)	0.80
working distance	0.55 mm (1.30 mm)
Spectral Performance	
AR coating (> 80% transmission) [nm]	520 .. 1600
apochromatic range (df < +/- delta) [nm]	1170 .. 1580
Compatibility	
environment	high magnetic fields high vacuum low temperature
compatible setups	attoCFM lxs
Size and Dimensions	
length	48.35 mm
weight	43 g



$\delta f$ : chromatic focal shift,  $\Delta = n \cdot \lambda_{ref} / (2 \cdot NA^2)$ : depth of focus,  $n$ : refractive index,  $\lambda_{ref}$ : wavelength used to define focal plane with max.  $\Delta$



