

# LT-APO/VIO/0.81

1014313

## Technical Specifications

Optical Data	
clear aperture [mm]	4.7
focal length [mm]	2.9
numerical aperture(NA)	0.81
working distance	0.67 mm (1.40 mm)
Spectral Performance	
AR coating (> 80% transmission) 400 .. 1000 [nm]	
apochromatic range (df < +/- delta) [nm]	408 .. 470
Compatibility	
environment	high magnetic fields ultra-high vacuum low temperature
compatible setups	attoCFM I, attoDRY800, AFM/CFM
Size and Dimensions	
diameter	24 mm
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.  $\Delta$



