

# LT-APO/ULWD/NIR/0.35

1013964

## Technical Specifications

Optical Data	
clear aperture [mm]	4.7
focal length [mm]	6.71
numerical aperture(NA)	0.35
working distance	12.0 mm
Spectral Performance	
AR coating (> 80% trasmission) [nm]	400 .. 1000
apochromatic range (df < +/- delta) [nm]	670 .. 1105
Compatibility	
environment	high magnetic fields
	low temperature
	ultra-high vacuum
compatible setups	attoCFM I/cust, attoDRY800, AFM/CFM/cust
Size and Dimensions	
length	48.35 mm
weight	approx. 50 g



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



