

# LT-APO/ULWD/VISIR/0.35

1013963

## 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% transmission) [nm]	400 .. 1000
apochromatic range (df < +/- delta) [nm]	520 .. 870
Compatibility	
environment	high magnetic fields low temperature ultra high vacuum
compatible setups	attoCFM I/cust, attoDRY800, AFM/CFM/cust
suitable broadband collimator	RT-APO/VIS-NIR/0.13
Size and Dimensions	
length	48.35 mm
weight	approx. 50 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.  $\Delta$



