

LT-APO/ULWD/NIR/0.35/xs

1014254

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]	670 .. 1105
Compatibility	
environment	high magnetic fields low temperature ultra-high vacuum
compatible setups	AFM/CFM/cust attoDRY800 CFM I/cust
Size and Dimensions	
length	50.35 mm
weight	approx. 50 g



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



