

LT-APO/IR/0.81: low temperature compatible, apochromatic objective

1012810

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) [nm]	600 .. 1600
apochromatic range (df < +/- delta) [nm]	985 .. 1350
Compatibility	
environment	high magnetic fields high vacuum low temperature
compatible setups	attoCFM I, attoDRY800, AFM/CFM
Size and Dimensions	
length	48.35 mm
weight	43 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



