

LT-APO/LWD/VIS/0.64: low temperature compatible, apochromatic objective

1013373

Technical Specifications

Optical Data	
clear aperture [mm]	4.7
focal length [mm]	3.67
numerical aperture(NA)	0.64
working distance	5.0 mm
Spectral Performance	
AR coating (> 80% transmission) 400 .. 1000 [nm]	
apochromatic range (df < +/- delta) [nm]	480 .. 570
Compatibility	
environment	high magnetic fields low temperature ultra-high vacuum
compatible setups	attoCFM I/cust, attoDRY800, AFM/CFM/cust
Size and Dimensions	
diameter	28 mm
length	81 mm
weight	approx. 100 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



