

LT-APO/VISIR/0.82/xs: low temperature compatible, apochromatic objective for 1" MICs

1011770

Technical Specifications

Optical Data	
clear aperture [mm]	4.7
focal length [mm]	2.87
numerical aperture(NA)	0.82
working distance	0.65 mm (1.40 mm)
Spectral Performance	
AR coating (> 80% transmission) [nm]	400 .. 1000
apochromatic range (df < +/- delta) [nm]	565 .. 770
Compatibility	
environment	high magnetic fields
	high vacuum
	low temperature
compatible setups	attoCFM Ixs
Size and Dimensions	
length	50.35 mm
weight	43 g



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



