

LT-APO/NIR/0.81

1011771

Technical Specifications

| Optical Data | |
|--|--|
| clear aperture [mm] | 4.7 |
| focal length [mm] | 2.93 |
| numerical aperture (NA) | 0.81 |
| working distance | 0.70 mm (1.40 mm) |
| Spectral Performance | |
| AR coating (> 80% transmission) [nm] | 400 .. 1000 |
| apochromatic range (df < +/- delta) [nm] | 700 .. 980 |
| 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



