

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



