

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

1011768

## 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] | 465 .. 590   |
| Compatibility                            |  |
| environment                              | high magnetic fields<br>high vacuum<br>low temperature |
| compatible setups                        | attoCFM Ixs  |
| Size and Dimensions                      |  |
| length                                   | 50.35 mm   |
| weight                                   | 43 g   |



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



