

# LT-APO/633-RAMAN/0.81

1015093

## Technical Specifications

Optical Data	
clear aperture [mm]	4.7
focal length [mm]	2.89
numerical aperture(NA)	0.81
working distance	0.67 mm (1.40 mm)
Spectral Performance	
AR coating (> 80% transmission) [nm]	400 .. 1000
apochromatic range (df < +/- delta) [nm]	632 .. 885
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



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



