

# LT-APO/633-RAMAN/0.81/xs

1015094

## 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 lxs
suitable broadband collimator	RT-APO/VIS-NIR/0.13
Size and Dimensions	
length	48.35 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.  $\Delta$



