

# RT-APO/VISIR-IR/0.13 broadband collimator

1021856

## Technical Specifications

### Optical Data

clear aperture [mm]	4.7
focal length [mm]	18
numerical aperture(NA)	0.13
working distance	6.5 mm

### Spectral Performance

AR coating (> 80% transmission) [nm]	600 .. 1600
apochromatic range (df < +/- delta) [nm]	680 .. 1515

### Compatibility

environment	/RT
compatible setups	LT/APO/IR
	LT/APO/NIR
	LT/APO/VISIR

### Size and Dimensions

length	26.2 mm
weight	approx. 10 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.  $\Delta$



