

RT-APO/VIS-NIR/0.13 broadband collimator

1012271

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]	400 .. 1000
apochromatic range (df < +/- delta) [nm]	450 .. 1050
Compatibility	
environment	/RT
compatible setups	LT/APO/NIR
	LT/APO/VIS
	LT/APO/VISIR
Size and Dimensions	
length	26.2 mm
weight	approx. 10 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



