

# IR Microscope Conversion Kit

Series 314



## Features:

Ultra broadband transmission  
Achromatic NIR-MIR  
Diffraction limited performance  
Easy integration into Existing microscopes

## Applications:

FT-IR microscopy  
Thermal  
Multiphoton  
Photothermal  
Sum frequency generation



## Product Description:

Designed for laser scanning, high resolution imaging, these lenses are ideal for biomedical and thermal imaging applications. The 180 mm focal length tube lens is ideal for simple integration into Olympus microscopes. Scan/tube lens system idea for optical relay between scanning mirrors and pupil of objective lens. Diffraction limited performance in the NIR and MIR with color correction in the visible. Compatible with ultrafast sources.

## Specifications:

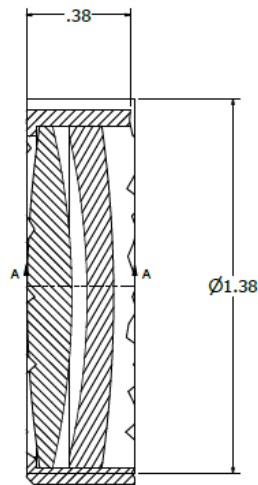
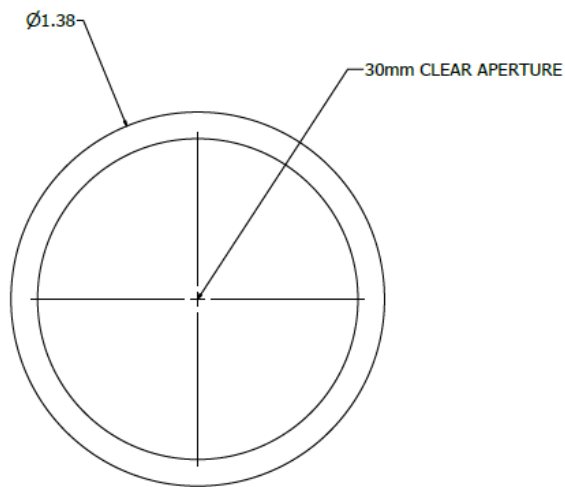
Operation Wavelengths	800 nm- 4.0 $\mu$ m
Surface Quality	60-40 Scratch-Dig
Irregularity per surface	$<\lambda/2$ at 633 nm
Focal length tolerance	$\pm 1\%$ at 1030 nm
Transmission	T > 90% (800nm- 4.0 $\mu$ m)
Housing	6061-T6 Aluminum Barrel

## Parts:

	Scan lens (314-S1)	Tube lens (314-T1)
Focal length	50 mm	180 mm
Clear Aperture	$\varnothing 20$ mm	$\varnothing 30$ mm

# Mechanical Drawing

314-T1



# Mechanical Drawing

314-S1

