

# Ultra Broadband Achromats

Series 313 ·  
focal lengths 50 mm, 100 mm

Trestle Optics

## Features:

Ultra broadband  
transmission  
Achromatic NIR-MIR  
1-in. optical diameter  
M1-threading

## Applications:

Hyperspectral  
NIR/MIR spectroscopy  
Tunable IR sources  
Photothermal  
Supercontinuum/fiber lasers



## Product Description:

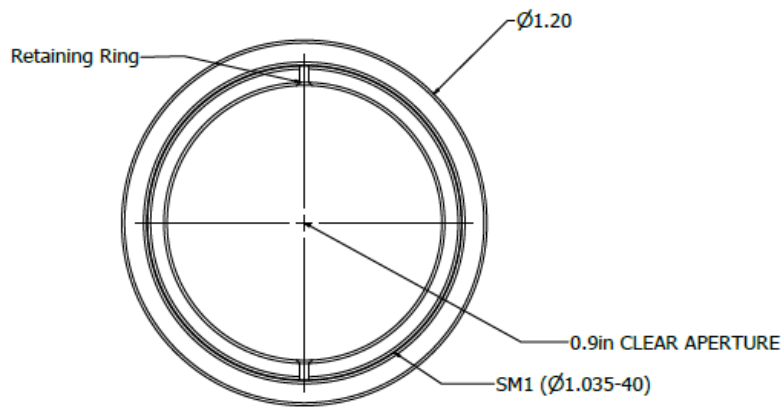
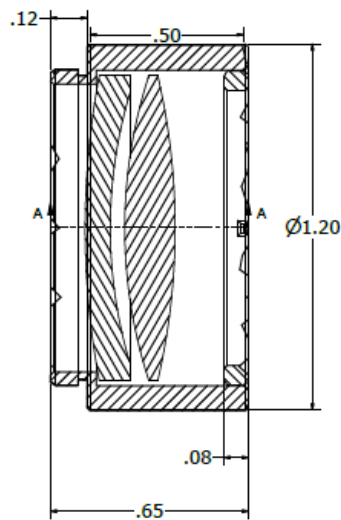
Ultra broadband achromatic lenses offer a compact solution for extending operation to the mid-infrared. Our lenses are ideal for easy integration into applications using multiple wavelengths in the near-infrared and mid-infrared. Superior off-axis performance over reflective components. Air-spaced for optimal performance.

## Specifications:

Operation Wavelengths	800 nm- 4.0 $\mu$ m
Surface Quality	60-40 Scratch-Dig
Clear Aperture	$\varnothing$ 20 mm
Irregularity per surface	$<\lambda/2$ at 633 nm
Focal length tolerance	$\pm 2\%$ at 1030 nm
Transmission	T > 90% (800nm- 4.0 $\mu$ m)
Housing	$\varnothing$ 1" 6061-T6 Aluminum Barrel

# Mechanical Drawing

313-100



# Mechanical Drawing

313-50

