Ultra Broadband Achromats

Series 313 • focal lengths 50 mm, 100 mm



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 µm
Surface Quality	60-40 Scratch-Dig
Clear Aperture	Ø20 mm
Irregularity per surface	<λ/2 at 633 nm
Focal length tolerance	±2% at 1030 nm
Transmission	T> 90% (800nm- 4.0µm)
Housing	Ø1" 6061-T6 Aluminum Barrel

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Mechanical Drawing







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