Low Temperature APO Objective (VIS)

Specifications

VIS

Clear Aperture (CA) - 4.7 mm
Focal Length (FL) - 2.8 mm
Numerical Aperture (NA) - 0.82
Working Distance (WD) - 0.95mm (1.45mm)

Spectral Performance

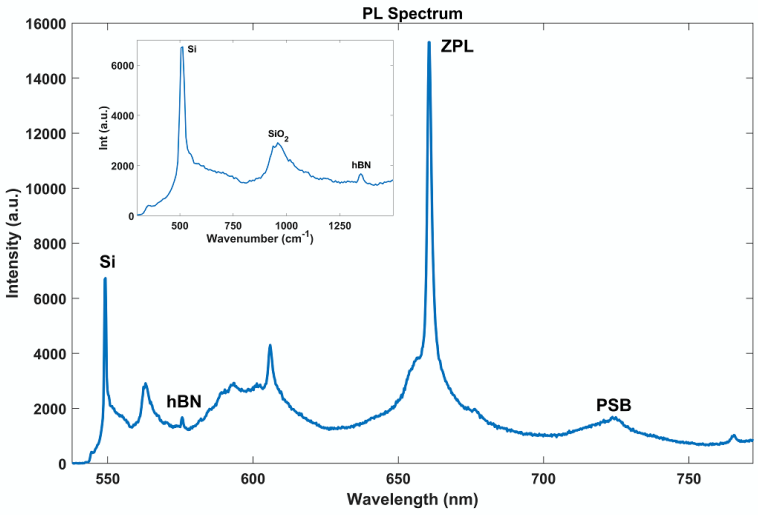
AR coating (> 80% transmission) - 400 - 1,000 nm
Apochromatic Range (Δf < +/-) - 520 - 695 nm

Environment: Low temperature, high magnetic fields, high vacuum

Size and Dimensions

Diameter - 24 mm
Length - 49 mm
Weight - 46 g
RMS Thread (0.80"x36TPI 3mm long)

hBN PL and Raman signals*



NanoMagnetics Instruments

Low Temperature APO Objective (NIR)

Specifications

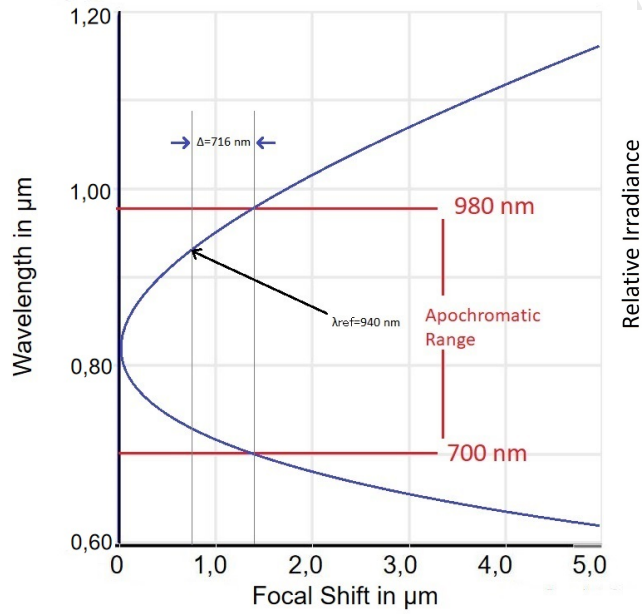
NIR*
Clear Aperture (CA) - 4.7 mm
Focal Length (FL) - 2.9 mm
Numerical Aperture (NA) - 0.82

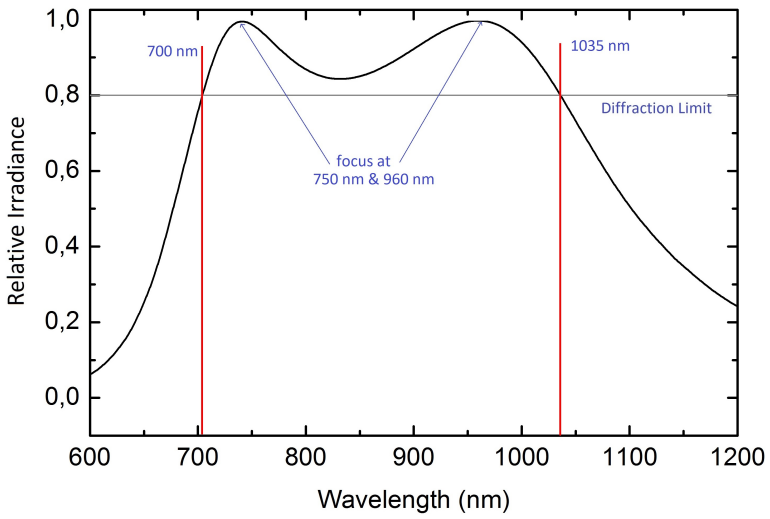
Working Distance (WD) - 0.95mm (1.45mm)

Spectral Performance
AR coating (> 80% transmission) - 400 - 1,000 nm
Apochromatic Range (Δf < +/-) - 650 - 970 nm

Environment: Low temperature, high magnetic fields, high vacuum

Size and Dimensions
Diameter - 24 mm
Length - 49 mm
Weight - 46 g
RMS Thread (0.80"x36TPI 3mm long)





* Specifications may vary by 10% and can be changed without any notice

NANOMAGNETICS INSTRUMENTS

Low Temperature APO Objective (IR)

Specifications

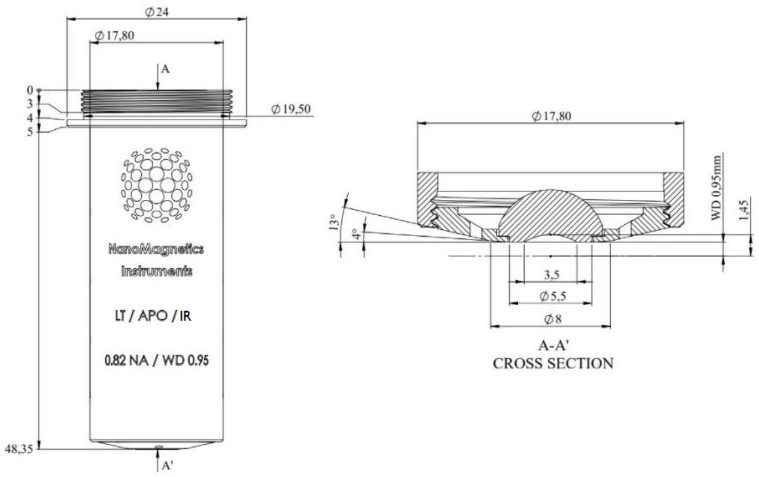
IR*
Clear Aperture (CA) - 4.7 mm
Focal Length (FL) - 2.8 mm
Numerical Aperture (NA) - 0.82

Working Distance (WD) - 0.95mm (1.45mm)

Spectral Performance
AR coating (> 80% transmission) - 600 - 1,550 nm
Apochromatic Range (Δf < +/-) - 1,000 - 1,325 nm

Environment: Low temperature, high magnetic fields, high vacuum

Technical Drawing

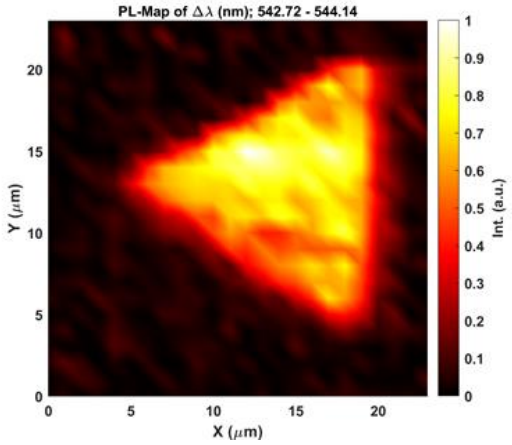


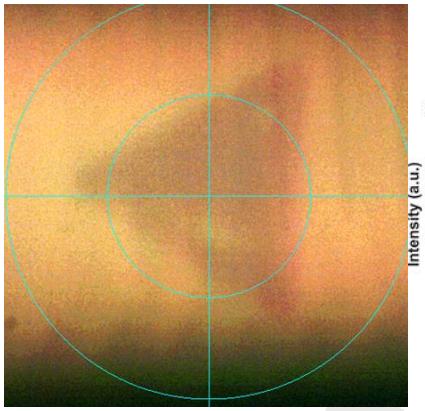
Size and Dimensions
Diameter - 24 mm
Length - 49 mm
Weight - 46 g
RMS Thread (0.80"x36TPI 3mm long)

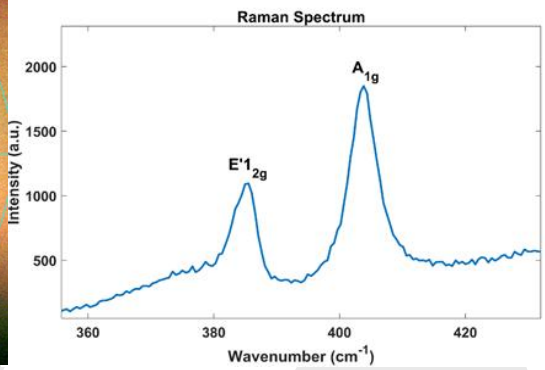
* Specifications may vary by 10% and can be changed without any notice

NANOMAGNETICS INSTRUMENTS

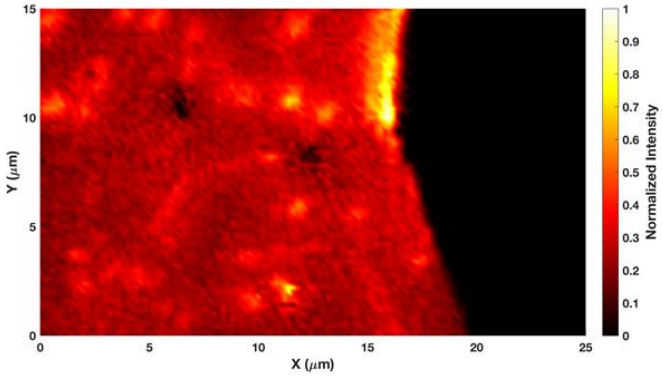
MoS_2 Raman Map*

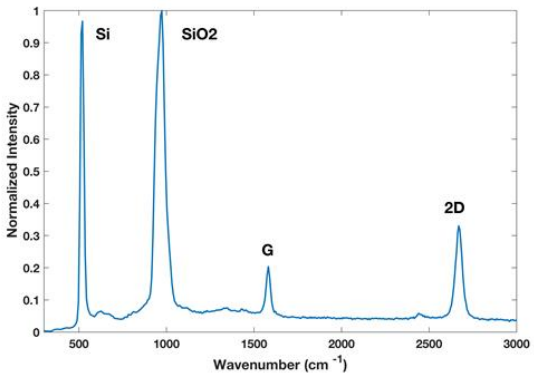




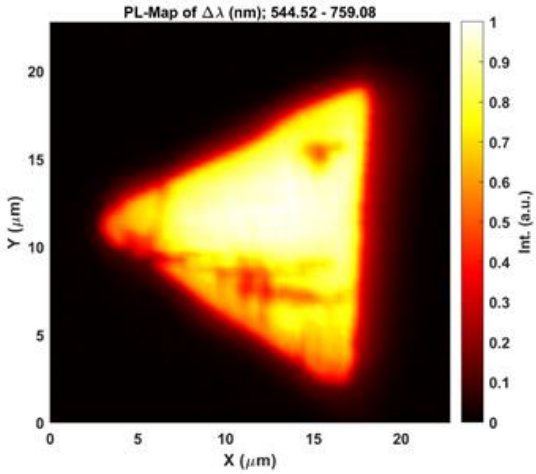


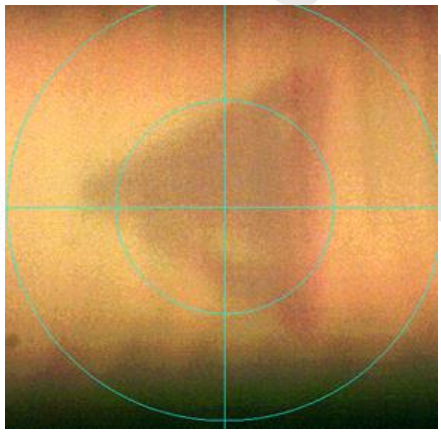
Single Layer Graphene Raman Map*

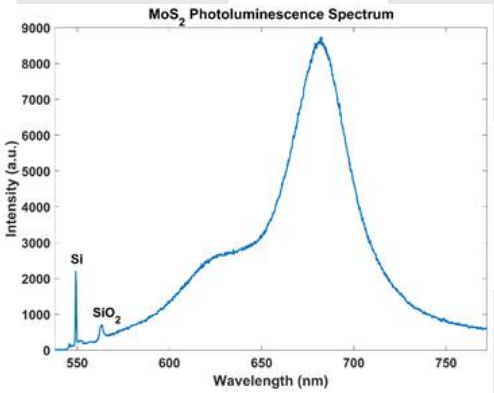




MoS_2 PL Map*







* Data courtesy of Furkan Ağlarcı, Çağlar Samaner, Serkan Ateş @ İzmir Institute of Technology , Turkey & Feridun Ay, Nihan Kosku Perkgöz @ Eskişehir Technical University, Turkey

NANOMAGNETICS INSTRUMENTS