

# IDSH/M15.5/F40/FLEX/LT/UHV/RAD

1013448

## Technical Specifications

<b>Sensor Head</b>	
optics type	focusing
dimensions	Ø 22 mm , length 22.7 mm
weight [g]	16.1
mounting	metric M15.5 x 0.5
focal length [mm]	40
typical beam diameter at focal point [µm]	~ 45
connector	FC/PC
working range (target: glass) [mm]	38.5 .. 41.5
angular tolerance (target: glass) [°]	± 0.35
working range (target: mirror) [mm]	46 .. 50
angular tolerance (target: mirror) [°]	± 0.35
fiber connection	screwed
filter	ND filter (KG2 material)
<b>Flex Structure</b>	
tilt range	1°
resolution	0.03°
<b>Environment</b>	
pressure	1E-10 mbar .. 5 bar
temperature	0 .. 150°C
<b>Main Materials</b>	
housing	Titanium Grade 2 (3.7035)
lens	glass (with AR C coating)
adhesive	NASA outgassing compliant adhesive
flexure grease	UHV grease
<b>Scope of Delivery</b>	
fiber IDS-feedthrough	IDSMF/APC/RT (1009981)
fiber feedthrough-sensor head	IDSMF/UHV metal tubing (1016354)
number of axes	1
alignment tool	hexagon wrench key
mirror	Ø 9 mm, Al coated (1010846)



