

# IDSH/M12/F40/LT/UHV/RAD

1013445

## Technical Specifications

<b>Sensor Head</b>	
optics type	focusing
dimensions	Ø 14 mm, length 19.5 mm
weight [g]	5.1
mounting	metric M12 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
<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
<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
mirror	Ø 9 mm, Al coated (1010846)



