

IDSH/D4/F17/UHV

1013442

Technical Specifications

Sensor Head	
optics type	focusing
dimensions	Ø 4 mm, length 11.5 mm
weight [g]	3
mounting	clamped
focal length [mm]	17
typical beam diameter at focal point [µm]	~ 120
connector	none (fiber glued)
working range (target: glass) [mm]	14.5 .. 19.5
angular tolerance (target: glass) [°]	± 0.15
working range (target: mirror) [mm]	50 .. 65
angular tolerance (target: mirror) [°]	± 0.3
fiber connection	FC/APC
fiber length	2 m
Environment	
pressure	1E-10 mbar .. 5 bar
temperature	0 .. 150 °C
Main Materials	
housing	Titanium Grade 2 (3.7035)
lens	glass (with AR C coating)
adhesive	NASA outgassing compliant adhesive
Scope of Delivery	
fiber IDS-feedthrough	IDSMF/APC/RT (1009981)
number of axes	1
mirror	Ø 9 mm, Al coated (1010846)



