

IDSH/M15.5/F40/FLEX/LT/HV

1013447

Technical Specifications

Sensor Head	
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)
Flex Structure	
tilt range	1°
resolution	0.03°
Environment	
pressure	1E-8 mbar .. 5 bar
temperature	mK .. 423K
Main Materials	
housing	Titanium Grade 2 (3.7035)
lens	glass (with AR C coating)
adhesive	NASA outgassing compliant adhesive
flexure grease	UHV grease
Scope of Delivery	
fiber IDS-feedthrough	IDSMF/APC/RT (1009981)
fiber feedthrough-sensor head	IDSMF/LT/HV metal tubing (1015965)
number of axes	1
alignment tool	hexagon wrench key
mirror	Ø 9 mm, Al coated (1010846)



