IDSH/D12/F2.8/LT/UHV/RAD

1011406

Technical Specifications

Sensor Head	
optics type	focusing
dimensions	Ø 12 mm, length 32.3 mm
weight [g]	8.8
mounting	clamped
spot size	14 µm
focal length [mm]	2.8
typical beam diameter at focal point [µm]	~ 14
connector	FC/PC
working range (target: glass) [mm]	2.8 (± 4 µm)
angular tolerance (target: glass) [°]	± 4
working range (target: wafer) [mm]	2.8 (± 14 µm)
angular tolerance (target: wafer) [°]	± 7
working range (target: mirror) [mm]	2.8 (± 20 µm)
angular tolerance (target: mirror) [°]	± 10
fiber connection	screwed
Environment	
pressure	5E-11 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
Scope of Delivery	
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)

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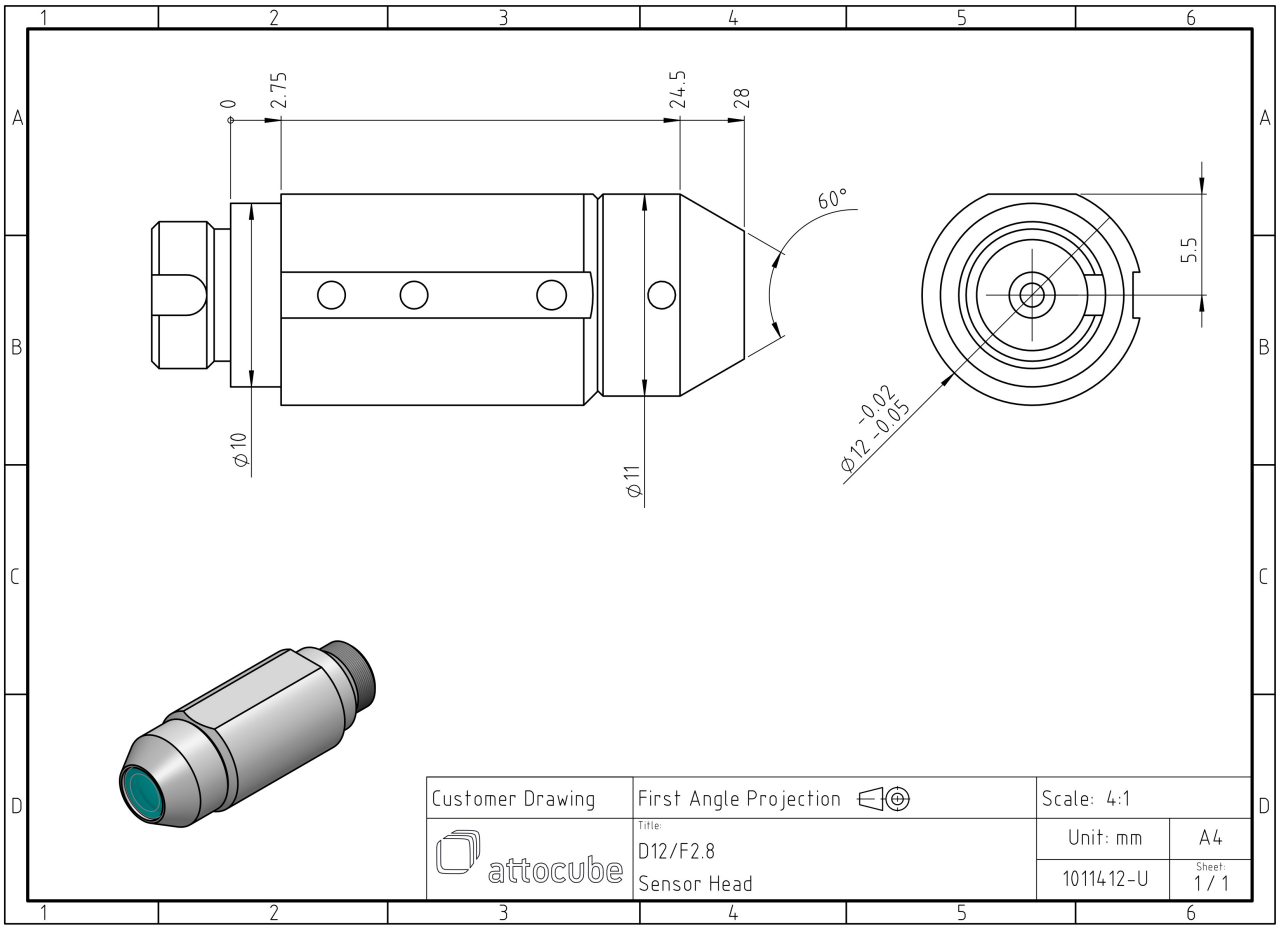

Customer Drawing	First Angle Projection	Scale: 4:1	
attocube	Title: D12/F2.8 Sensor Head	Unit: mm	A4
		1011412-U	Sheet: 1 / 1

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