

IDSH/M12/C7.6/LT/UHV/RAD

1011398

Technical Specifications

Sensor Head	
optics type	collimating
dimensions	Ø 14 mm, length 49.3 mm
weight [g]	12.9
mounting	metric M12 x 0.5
beam diameter [mm]	7.6
focal length [mm]	infinity
connector	FC/PC
working range (target: retroreflector) [mm]	up to 5000
lateral tolerance (target: retroreflector) [mm]	± 2
angular tolerance (target: retroreflector) [°]	± 15
Environment	
pressure	1E-10 mbar .. 5 bar
temperature	0 .. 150 °C
radiation	up to 10 Mgy radiation dose
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
attenuator	Connector. SC/APC, Attenuation: 1dB



