

# IDSH/M15.5/C1.6/FLEX/LT/HV (with filter)

1020764

## Technical Specifications

|   |                                     |
|---|-------------------------------------|
| <b>Sensor Head</b>                              |                                     |
| optics type                                     | collimating                         |
| dimensions                                      | Ø 22 mm, length 20.6 mm             |
| weight [g]                                      | 16.1                                |
| mounting  | metric M15.5 x 0.5                  |
| beam diameter [mm]                              | 1.6                                 |
| focal length [mm]                               | infinity                            |
| connector                                       | FC/PC                               |
| working range (target: mirror) [mm]             | up to 1000                          |
| angular tolerance (target: mirror) [°]          | ± 0.02                              |
| lateral tolerance (target: retroreflector) [mm] | ± 0.5                               |
| angular tolerance (target: retroreflector) [°]  | ± 6                                 |
| fiber connection                                | screwed                             |
| <b>Flex Structure</b>                           |                                     |
| tilt range                                      | 1°                                  |
| resolution                                      | 0.03°                               |
| <b>Environment</b>                              |                                     |
| pressure  | 1E-8 mbar .. 5 bar                  |
| temperature                                     | mK .. 423K                          |
| <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/LT/HV metal tubing (1015965)  |
| number of axes                                  | 1                                   |
| alignment tool                                  | hexagon wrench key                  |
| attenuator                                      | Connector. SC/APC, Attenuation: 1dB |



