

# IDSH/D12/F2.8/RT

1011404

## Technical Specifications

|   |                             |
|---|-----------------------------|
| <b>Sensor Head</b>                        |                             |
| 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                     |
| <b>Environment</b>                        |                             |
| pressure                                  | ambient pressure            |
| temperature                               | 0 .. 50 °C                  |
| <b>Main Materials</b>                     |                             |
| housing                                   | Titanium Grade 2 (3.7035)   |
| lens                                      | glass (with AR C coating)   |
| <b>Scope of Delivery</b>                  |                             |
| fiber IDS-sensor head                     | IDSMF/PC/RT (1009980)       |
| number of axes                            | 1                           |
| mirror                                    | Ø 9 mm, Al coated (1010846) |



