

DATA SHEET

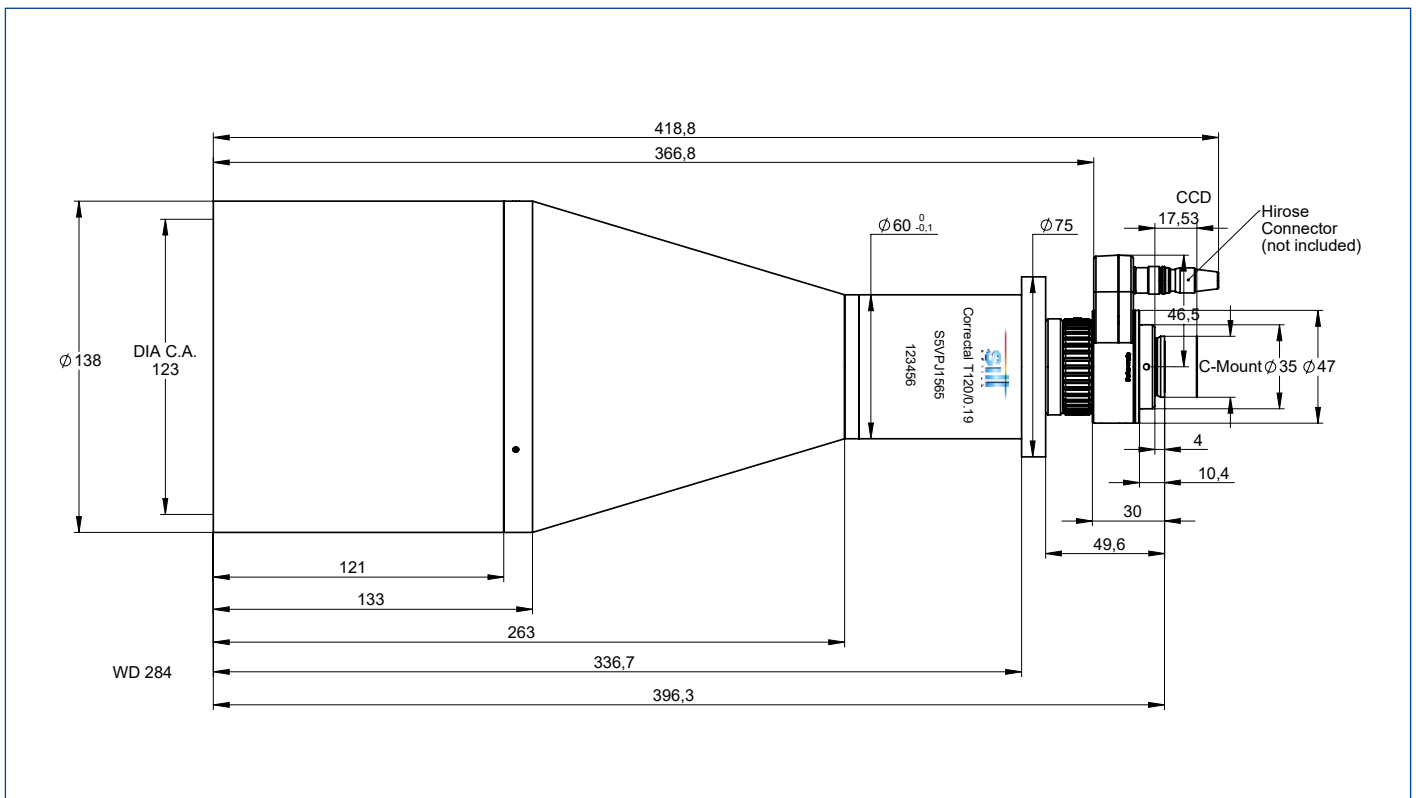


S5VPJ1565 Correctal® T120/0.19

- telecentric lens with tunable working distance
- with c-mount
- with variable iris



illustration only



outline drawing

Sill Optics
GmbH & Co. KG
Johann-Höllfritsch-Straße 13
D-90530 Wendelstein

Copyright © Sill Optics GmbH & Co. KG
All rights reserved.
Issue A
Published: 4.01.2018

Tel.: +49 (0) 9129 9023 0
Fax: +49 (0) 9129 9023 23
E-mail: info@silloptics.de
Web: www.silloptics.de

All information contained in this data sheet is for information purposes only and is not binding. The content is subject to change at any time without notification, all information without guarantee. We reserve the right to make constructional changes in the course of product improvement.

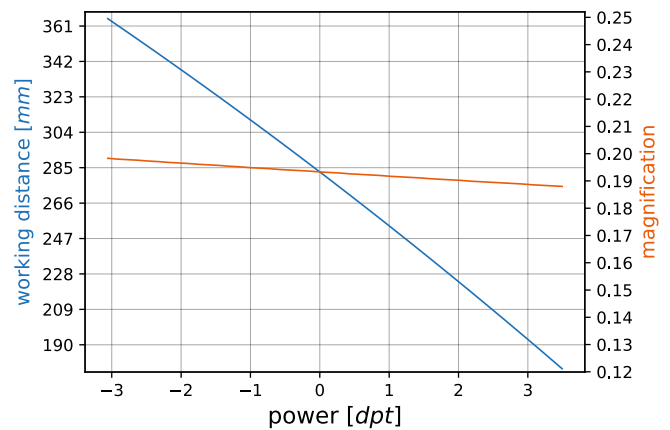
specifications

article number	S5VPJ1565
design wavelength [nm]	450-700
nominal magnification (+/-5%)	0.193
nominal working dist. [mm] (+/-2%)	284.0
object size [mm] at a chip size of [mm]	33.1 x 24.8 6.4 x 4.8 (1/2")
object size [mm] at a chip size of [mm]	45.5 x 34.1 8.8 x 6.6 (2/3")
object size [mm] at a chip size of [mm]	66.3 x 49.7 12.8 x 9.6 (1")
max. distortion [%]	0.5
max. telecentricity error [°]	0.01
numerical aperture	0.01
WD at +3.0 dpt	193.6
magn. at +3.0 dpt	0.189
WD at -2.0 dpt	338.7
magn. at -2.0 dpt	0.196
weight [kg]	4.70
flange back distance [mm]	17.53
accessory (not included)	S5ZUB1640 (Optotune lens driver 4i), S5ZUB1641 (connection cable 6pin Hirose, 100 cm)

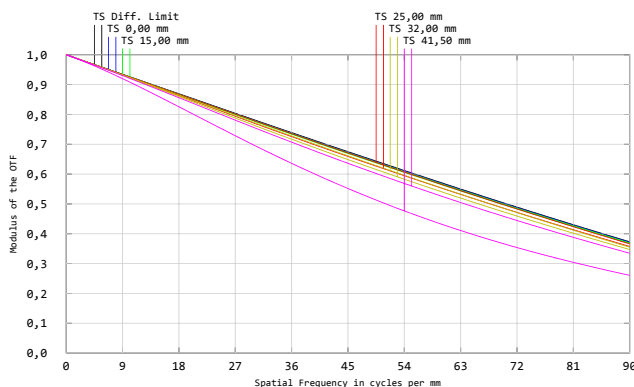
electronical specs

nominal optical power	-2.0 to +3.0 dpt
response time	5 ms
settling time	25 ms
nominal control current	-250 to +250 mA
nominal power consumption	0 to 0.7 W
lifecycles	> 1,000,000,000
operating temperature	-20 to +65 °C
storage temperature	-40 to +85 °C

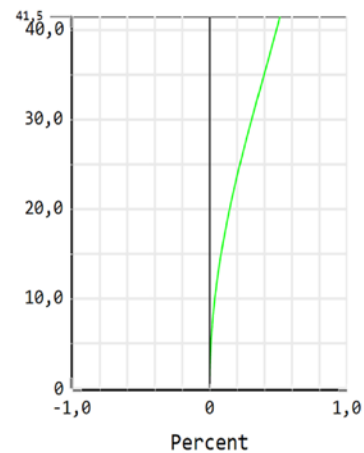
Detailed electronical specification, absolute control current and customized control datasheet: optotune.com



MTF for various object heights for 586 nm at 284.0 mm



Distortion for 586 nm at 284.0 mm



T. tangential S. sagittal x = distortion y = field size

graphs and data given by design.

Sill Optics
GmbH & Co. KG
Johann-Höllfritsch-Straße 13
D-90530 Wendelstein

Copyright © Sill Optics GmbH & Co. KG
All rights reserved.
Issue A
Published: 4.01.2018

Tel.: +49 (0) 9129 9023 0
Fax: +49 (0) 9129 9023 23
E-mail: info@silloptics.de
Web: www.silloptics.de

All information contained in this data sheet is for information purposes only and is not binding. The content is subject to change at any time without notification, all information without guarantee. We reserve the right to make constructional changes in the course of product improvement.