

S5VPJ5060 Correctal® T80/0.19

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

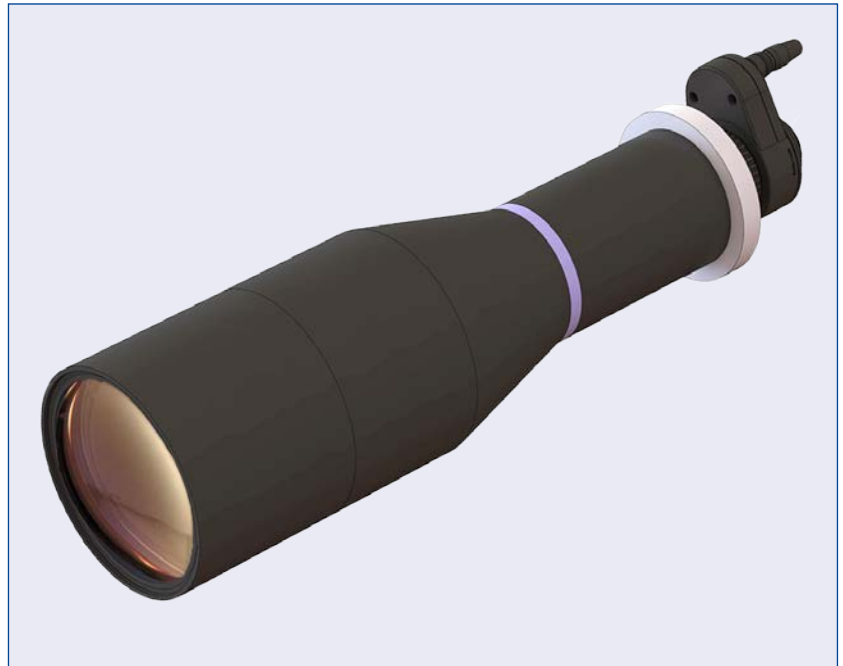
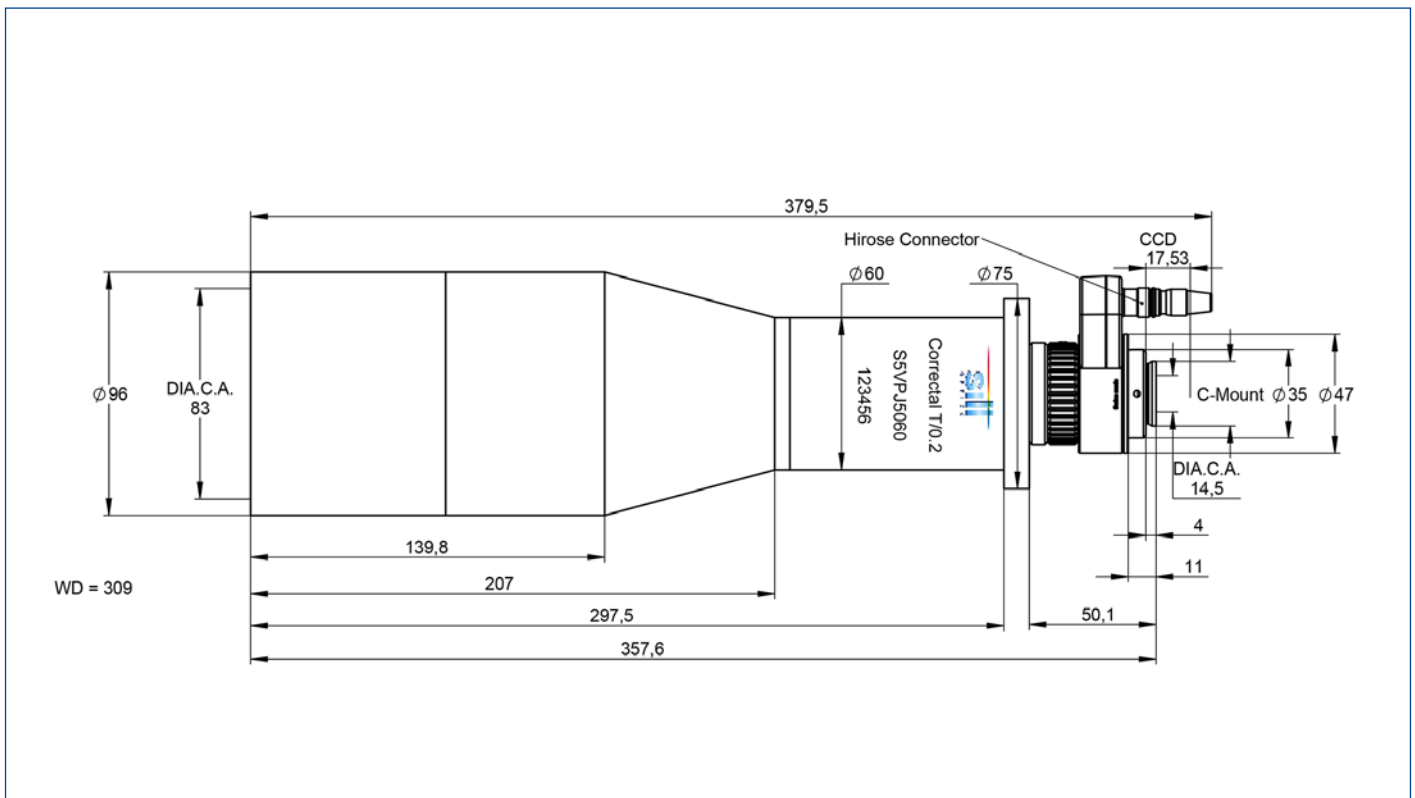


illustration only



outline drawing

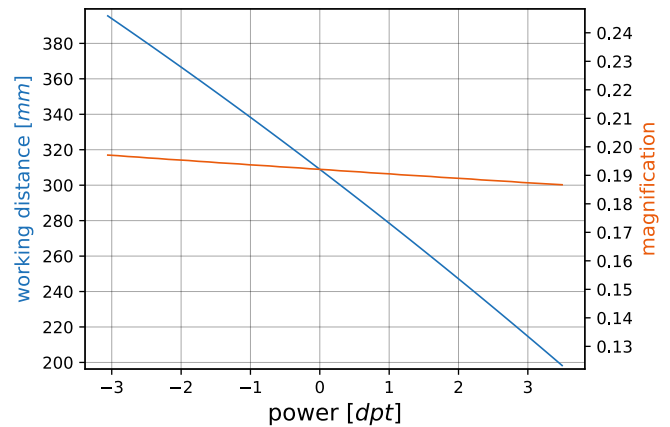
specifications

article number	S5VPJ5060
design wavelength [nm]	450-700
nominal magnification (+/-5%)	0.192
nominal working dist. [mm] (+/-2%)	309.0
object size [mm] at a chip size of [mm]	25 x 18.7 4.8 x 3.6 (1/3")
object size [mm] at a chip size of [mm]	33.3 x 25 6.4 x 4.8 (1/2")
object size [mm] at a chip size of [mm]	45.8 x 34.3 8.8 x 6.6 (2/3")
max. distortion [%]	0.7
max. telecentricity error [°]	0.02
numerical aperture	0.01
WD at +3.0 dpt	215.3
magn. at +3.0 dpt	0.187
WD at -2.0 dpt	366.6
magn. at -2.0 dpt	0.195
weight [kg]	0.90
flange back distance [mm]	17.53
accessory (not included)	S5ZUB1640 (Optotune lens driver 4i), S5ZUB1641 (connection cable 6pin Hirose, 100 cm)

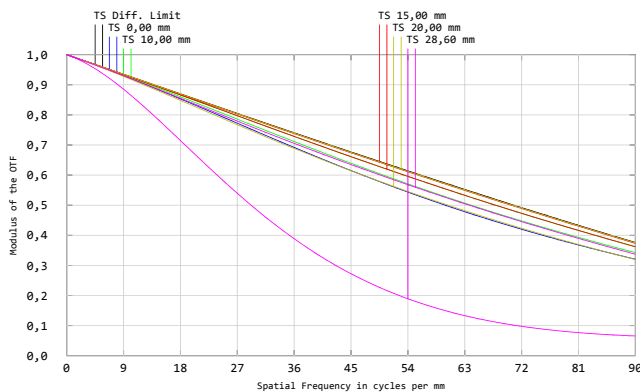
electronical specs

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 309.0 mm

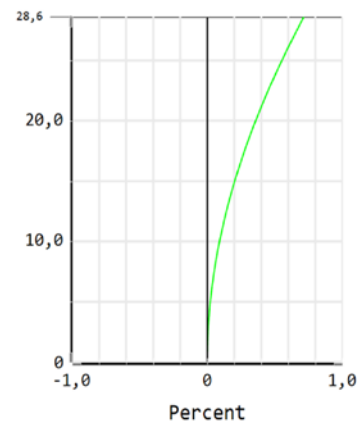


T. tangential

S. sagittal

graphs and data given by design.

Distortion for 586 nm at 309.0 mm



x = distortion

y = field size