



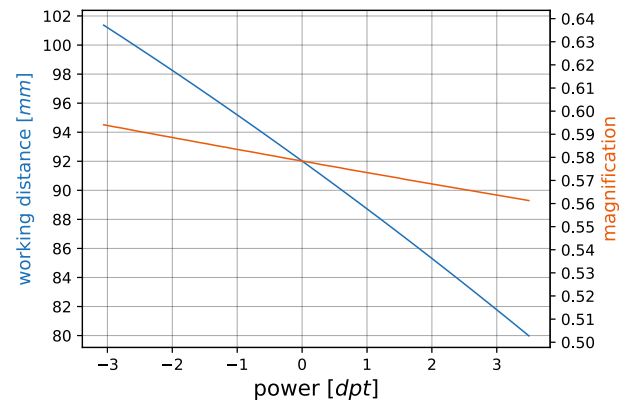
## specifications

|  |   |
|--|---|
| article number                             | S5VPJ2898   |
| design wavelength [nm]                     | 450-700   |
| nominal magnification (+/-5%)              | 0.578   |
| nominal working dist. [mm] (+/-2%)         | 92.0  |
| object size [mm]<br>at a chip size of [mm] | 12.4 x 9.1<br>7.2 x 5.3 (1/1.8")  |
| object size [mm]<br>at a chip size of [mm] | 15.2 x 11.4<br>8.8 x 6.6 (2/3")   |
| object size [mm]<br>at a chip size of [mm] | 22.1 x 16.6<br>12.8 x 9.6 (1")  |
| max. distortion [%]                        | 0.47  |
| max. telecentricity error [°]              | <0.01   |
| numerical aperture                         | 0.030   |
| WD at +3.0 dpt                             | 81.7  |
| magn. at +3.0 dpt                          | 0.564   |
| WD at -2.0 dpt                             | 98.2  |
| magn. at -2.0 dpt                          | 0.589   |
| weight [kg]                                | 0.85  |
| flange back distance [mm]                  | 17.53   |
| accessory (not included)                   | S5ZUB1640 (Optotune lens driver 4i),<br>S5ZUB1641 (connection cable 6pin<br>Hirose, 100 cm) |

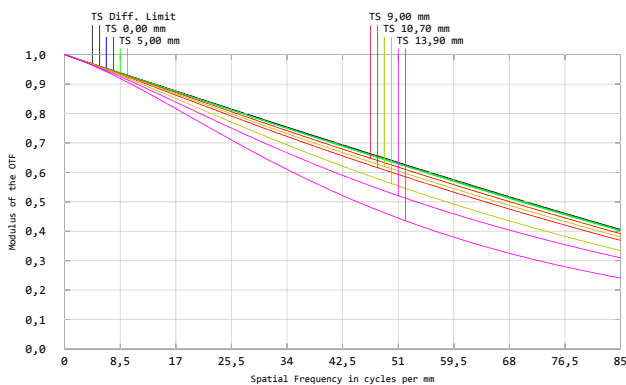
## electronical specs

|                           |                  |
|---------------------------|------------------|
| 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    |

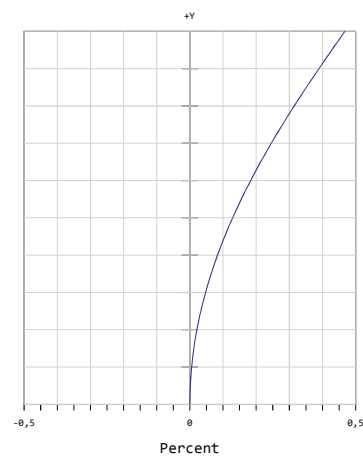
Detailed electronical specification, absolute control current and customized control datasheet: [optotune.com](http://optotune.com)



## MTF for various object heights for 586 nm at 92.0 mm



## Distortion for 586 nm at 92.0 mm



T. tangential

S. sagittal

x = distortion

y = field size

graphs and data given by design.