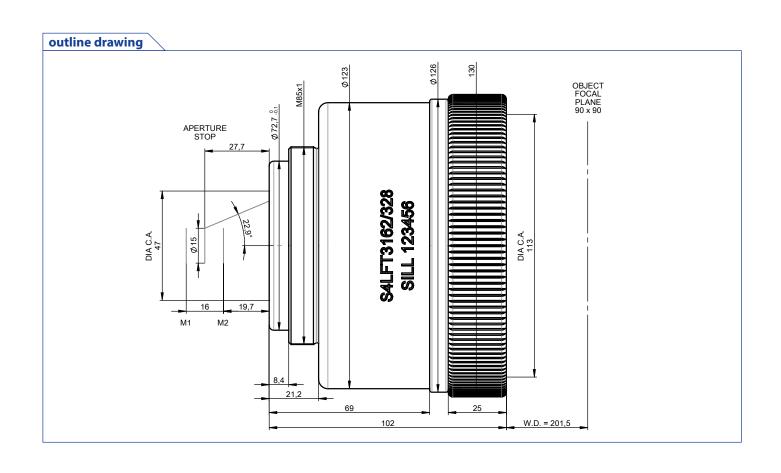
### DATA SHEET (分新特光电 Sinter Optronics

#### S4LFT3162/328

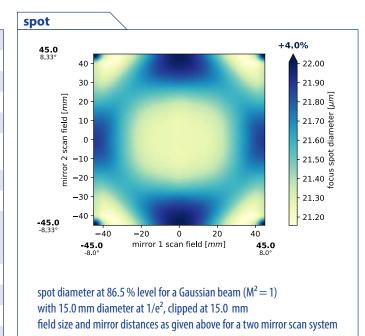
F-Theta telecentric - fused silica 1030 - 1090 nm





## DATA SHEET (分新特光电 Sinter Optronics

specifications	
article number	S4LFT3162/328
design wavelength [nm]	1064
effective focal length [mm]	163.5
max. entrance beam-Ø [mm]	15.0
optical scan angle [±°]	22.9
scan length [mm] (1 mirror system)	127.3
aperture stop distance [mm]	27.7
working distance [mm]	201.5
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1	90 x 90 19.7 / 35.7
max. telecentricity error [°]	5.6
total transmission [%]	> 97
lens material	fused silica
LIDT (coating)	5.0 J/cm <sup>2</sup> per 1ns pulse at 50Hz
SP and USP usable	yes
weight [kg]	1.8
cover glass	S4LPG4160/328
absorption [ppm]	105
cleanliness	not specified



# back reflection [mm] for 1064 9.52 10.16 126.52 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

#### notes

The values given assume a vignetting of less than 1 %

Effective focal length and working distance have tolerance of +/- 1.5 %

Absorption tolerance +/- 25 %. Absorption may degrade over time, correct cleaning is able to reset to factory condition.