DATA SHEET (分新特光电

S4LFT3170/373

F-Theta telecentric - fused silica 420 - 480 nm



illustration only



DATA SHEET (分新特光电 Sintec Optronics

| specifications | | | |
|--|-------------|---------------|--|
| article number | S4LFT3170 | S4LFT3170/373 | |
| design wavelength [nm] | 450 | 450 | |
| effective focal length [mm] | 168.0 | 168.0 | |
| max. entrance beam-Ø [mm] | 20.0 | 30.0 | |
| aperture stop distance [mm] | 31.0 | 46.0 | |
| working distance [mm] | 228.3 | 228.3 | |
| scan area for a 2 mirror system with mirror distance from lens housing for | 75 x 75 | 45 x 45 | |
| mirror 2 / mirror 1 | 18.0 / 44.0 | 28.0 / 64.0 | |
| max. telecentricity error [°] | 3.1 | 1.7 | |
| total transmission [%] | > 98 | > 98 | |
| lens material | fused sil | fused silica | |
| LIDT (coating) | not speci | not specified | |
| SP and USP usable | yes | yes | |
| weight [kg] | 1.86 | 1.86 | |
| cover glass | S4LPG4160 | S4LPG4160/373 | |
| absorption [ppm] | not speci | not specified | |
| cleanliness | not speci | not specified | |



with 20.0 mm diameter at $1/e^2$, clipped at 20.0 mm field size and mirror distances as given above for a two mirror scan system





remarks

The stated values are based on a vignetting of less than 1 %.

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

Absorption tolerance +/- 25 %. Absorption may increase. Correct cleaning establishes original condition.