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## S4LFT3162/328

F-Theta
telecentric - fused silica 1030-1090 nm

outline drawing


| specifications |  |
| :---: | :---: |
| article number | S4LFT3162／328 |
| design wavelength［ nm ］ | 1064 |
| effective focal length［mm］ | 163.5 |
| max．entrance beam－$\emptyset[\mathrm{mm}$ ］ | 15.0 |
| optical scan angle［ $\pm^{\circ}$ ］ | 22.9 |
| scan length［mm］ <br> （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 | $\begin{gathered} 90 \times 90 \\ 19.7 / 35.7 \end{gathered}$ |
| max．telecentricity error［ $\left.{ }^{\circ}\right]$ | 5.6 |
| total transmission［\％］ | ＞ 97 |
| lens material | fused silica |
| LIDT（coating） | $5.0 \mathrm{~J} / \mathrm{cm}^{2}$ per 1 ns pulse at 50 Hz |
| SP and USP usable | yes |
| weight［kg］ | 1.8 |
| cover glass | S4LPG4160／328 |
| absorption［ppm］ | 105 |
| cleanliness | not specified |



| back reflection position |  |  |
| :---: | :---: | :---: |
| back reflection［mm］ for 1064 |  |  |
| 9.52 |  | － |
| 10.16 |  | 棈 |
| 126.52 |  |  |
| 0.00 |  | ？ |
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| 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．

