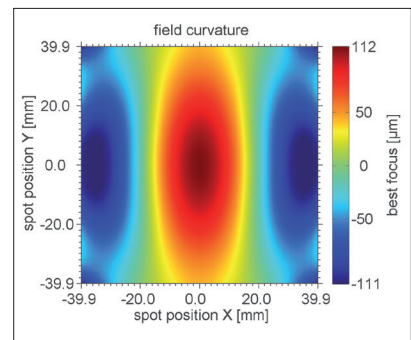
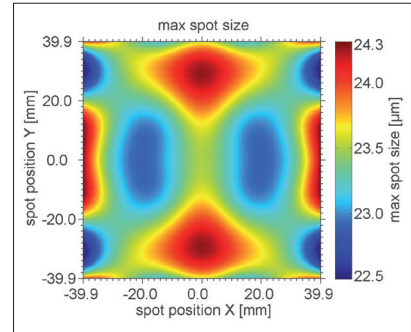


F-Theta JENar™ Silverline™ Lens  
High Power Lens – JENar™ 160-900...1100-110

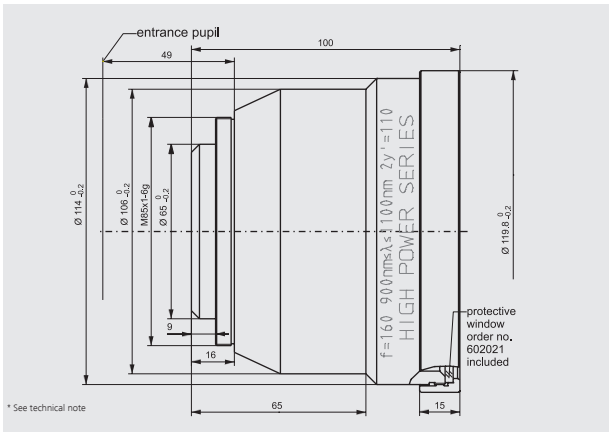


| Parameters                                    | JENar™ 160-900...1100-110<br>Fused silica lens |
|---|--|
| Focal length:                                 | 160 mm   |
| Wavelength:                                   | 900...1100 nm                                  |
| Scan field ( X x Y ); Ø:                      | (78 mm x 78 mm); 110 mm                        |
| Diagonal scan angle:                          | ± 20°  |
| X/Y mirror angle:                             | ± 7.1°   |
| Back working distance:                        | 182.0 mm @ 900 nm; 183.9 mm @ 1100 nm          |
| Flange focus distance:                        | 266.0 mm @ 900 nm; 267.9 mm @ 1100 nm          |
| Input beam Ø 1/e <sup>2</sup> :               | 14 mm  |
| Focus size Ø 1/e <sup>2</sup> :               | 19 µm @ 900 nm; 23 µm @ 1100 nm                |
| a1   a2:                                      | 17 mm   40.5 mm                                |
| Telecentricity (only F-Theta   with scanner): | 5.2°   5.4°                                    |
| Group delay dispersion (GDD)*:                | 759 fs <sup>2</sup>                            |
| LIDT coating pulsed; CW*:                     | not available yet                              |
| LIDT system pulsed; CW*:                      | not available yet                              |
| Weight:                                       | 1.08 kg  |
| Order Number:                                 | 601787   |

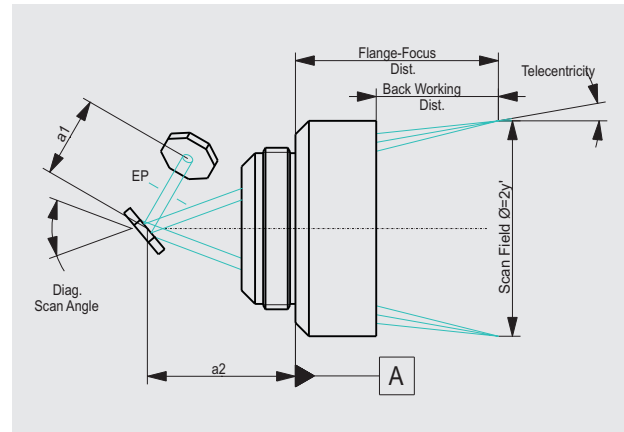
Spot properties



Specifications  
JENar™ 160-900...1100-110



Definition of geometrical parameters



JENar®: Registered in EU, CN, JP, SG, US | Silverline®: Registered in DE, JP, SG, IN

The data given are nominal values for the specified application parameters. Jenoptik provides Zemax® BlackBox files for simulating application results for customized parameters (e.g. wavelength, scanner geometry, beam diameter, ...).  
Back working distance, Flange focus distance, and focal length vary by ± 1.5 % due to manufacturing variances.

It is our policy to constantly improve the design and specifications. Accordingly, the details represented herein cannot be regarded as final and binding.