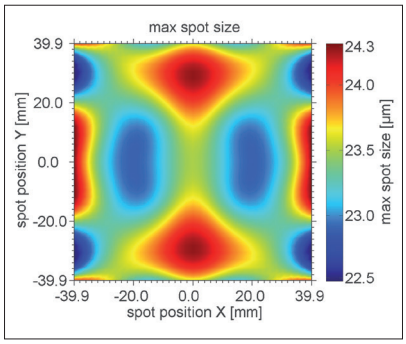
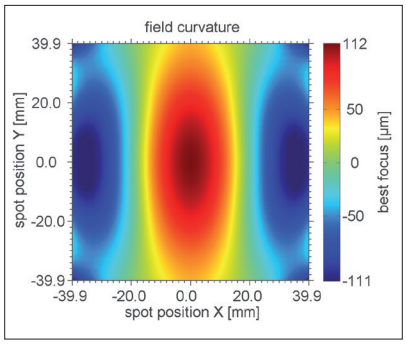
F-Theta JENar™ Silverline™ Lens
High Power Lens – JENar™ 160-900…1100-110

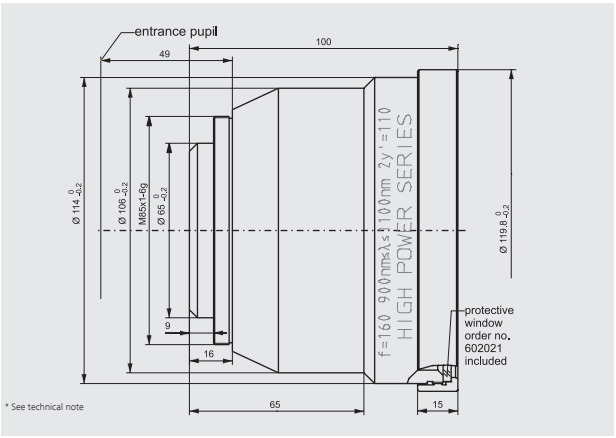
Parameters	JENar™ 160-900…1100-110 Fused silica lens
Focal length:	160 mm
Wavelength:	900…1100 nm
Scan field (X x Y); Ø:	(78 mm x 78 mm); 110 mm
Diagonal scan angle:	± 20°
X/Y mirror angle:	± 7.1°
Back working distance:	182.0 mm @ 900 nm; 183.9 mm @ 1100 nm
Flange focus distance:	266.0 mm @ 900 nm; 267.9 mm @ 1100 nm
Input beam Ø 1/e²:	14 mm
Focus size Ø 1/e²:	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 fs²
LIDT coating pulsed; CW*:	not available yet
LIDT system pulsed; CW*:	not available yet
Weight:	1.08 kg
Order Number:	601787

Spot properties

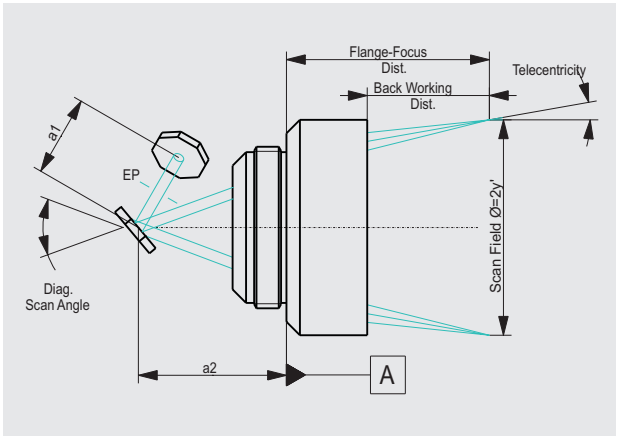




Specifications
JENar™ 160-900…1100-110



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.

JENOPTIK Optical Systems GmbH
Goeschwitzer Strasse 25 | 07745 Jena | Germany
Phone +49 3641 65-3148 | Fax -3677
optics@jenoptik.com | www.jenoptik.com

601787-002-99-14-0519-en