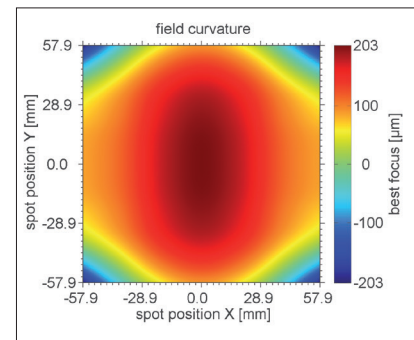
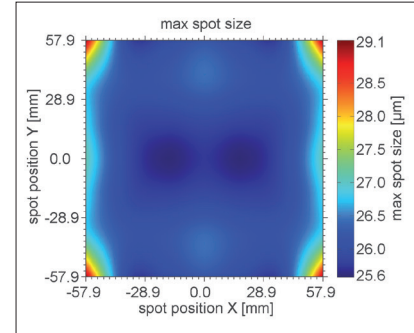


F-Theta JENar™ Silverline™ Lens

High Power Lens – JENar™ 255-1030...1080-160

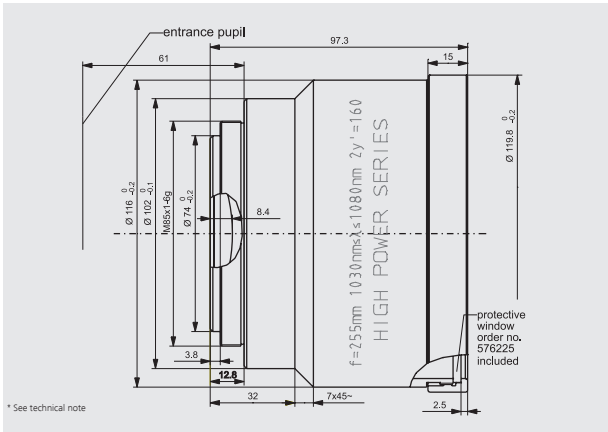
Parameters	JENar™ 255-1030...1080-160 Fused silica lens
Focal length:	255 mm
Wavelength:	1030...1080 nm
Scan field (X x Y); Ø:	(114 mm x 114 mm); 160 mm
Diagonal scan angle:	± 18°
X/Y mirror angle:	± 6.4°
Back working distance:	303.3 mm
Flange focus distance:	387.8 mm
Input beam Ø 1/e ² :	20 mm
Focus size Ø 1/e ² :	25 µm
a1 a2:	25 mm 48.46 mm
Telecentricity (only F-Theta with scanner):	7.2° 7.4°
Absorption:	fused silica: < 15 ppm/cm coating: < 5 ppm (mean = 3 ppm)
Group delay dispersion (GDD)*:	904 fs ²
LIDT coating pulsed; CW*:	5.0 J/cm ² * (τ/[ns]) ^ 0.30; 5.0 MW/cm ²
LIDT system pulsed; CW*:	5.0 J/cm ² * (τ/[ns]) ^ 0.30; 5.0 MW/cm ²
Weight:	1.2 kg
Order Number:	017700-026-26

Spot properties

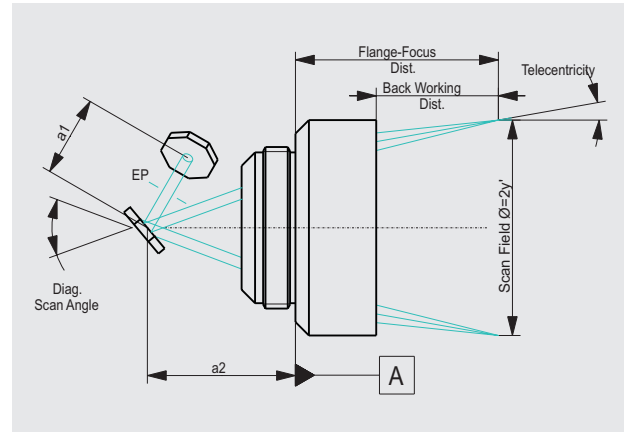


Specifications

JENar™ 255-1030...1080-160



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.