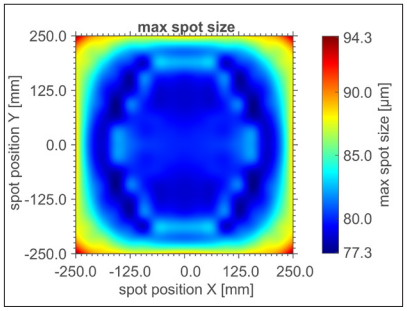
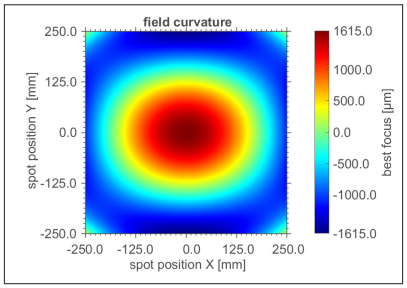
F-Theta JENar® Lens Series

High Image Quality – JENar® 675-1030...1080-707+VIS AL

Parameters	JENar® 675-1030...1080-707+VIS AL Fused silica lens
Focal length:	675 mm
Wavelength:	1030...1080 nm
Scan field (X x Y); Ø:	(500 mm x 500 mm); 707 mm
Diagonal scan angle:	± 28.4°
X/Y mirror angle:	± 10.3°
Back working distance:	673.8 mm
Flange focus distance:	772.8 mm
Input beam Ø 1/e²:	14 mm
Clear aperture Ø:	20 mm
Focus size Ø 1/e²:	79.9 µm
a1:	25 mm
a2:	40.5 mm
Telecentricity (only F-Theta | with scanner):	23.5° | 23.2°
Group delay dispersion (GDD):	929 fs²
LIDT coating pulsed; CW:	2.5 J/cm² * (τ/[ns]) ^ 0.30; 2.5 MW/cm²
LIDT system pulsed; CW:	2.5 J/cm² * (τ/[ns]) ^ 0.30; 2.5 MW/cm²
Weight:	3.20 kg
Order Number:	666682

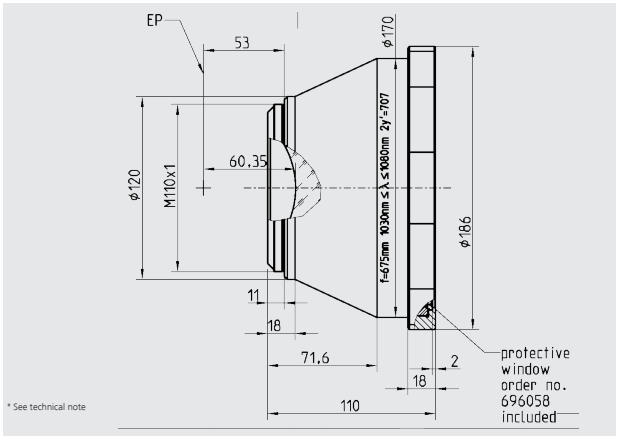
Spot properties



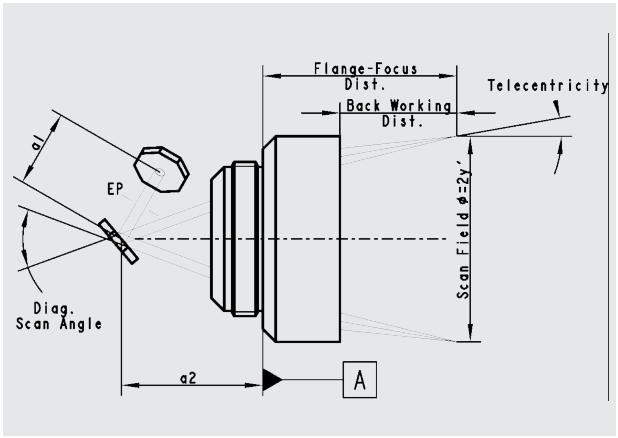


* Notification on clearance aperture: Performance parameters/plots are for clipping the input beam at hard mechanical stop diameter of 20 mm.

Specifications
JENar® 675-1030... 1080-707+VIS AL



Definition of geometrical parameters



JENar® registered in: EU, CN, JP, SG, US | F-Theta: registered in: EU, CN KR, JP, SG, IN, HK, TW

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.

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