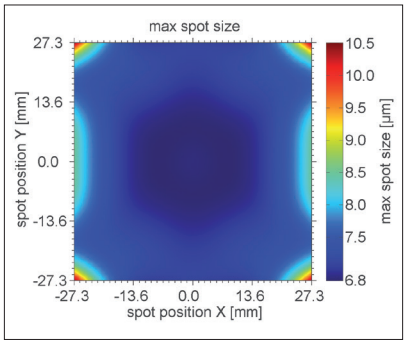
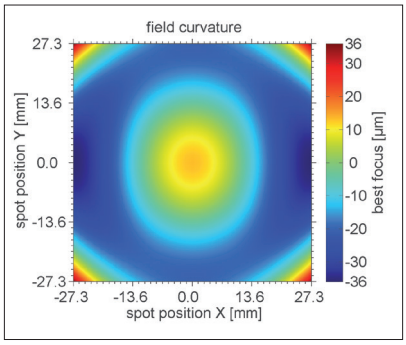
F-Theta JENar™ Lens Series

Telecentric Lenses – JENar™ 102-515…540-75

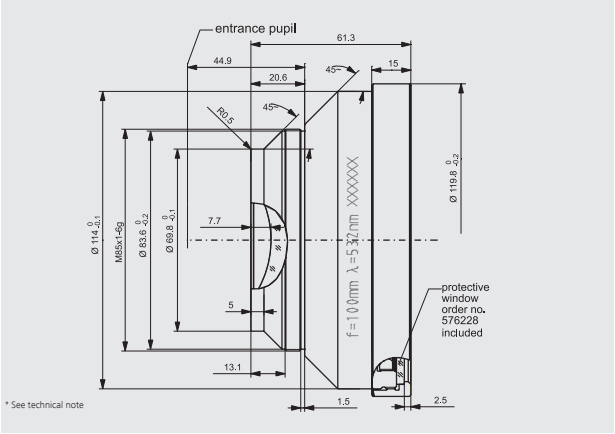
Parameters	JENar™ 102-515…540-75 Telecentric lens
Focal length:	102 mm
Wavelength:	515…540 nm
Scan field (X x Y); Ø:	(53 mm x 53 mm); 75 mm
Diagonal scan angle:	43°
Back working distance:	132.9 mm
Flange focus distance:	173.6 mm
Input beam Ø 1/e²:	15 mm
Focus size Ø 1/e²:	7 µm
a1:	18 mm
a2:	36 mm
Telecentricity (only F-Theta | with scanner):	4.1° | 4.9°
Group delay dispersion (GDD)*:	15700 fs²
LIDT coating pulsed; CW*:	2.5 J/cm² * (τ/[ns]) ^ 0.35; 2.5 MW/cm²
LIDT system pulsed; CW*:	The system LIDT depends strongly on used laser parameters. Please be advised to test.
Weight:	0.7 kg
Order Number::	017700-202-26

Spot properties

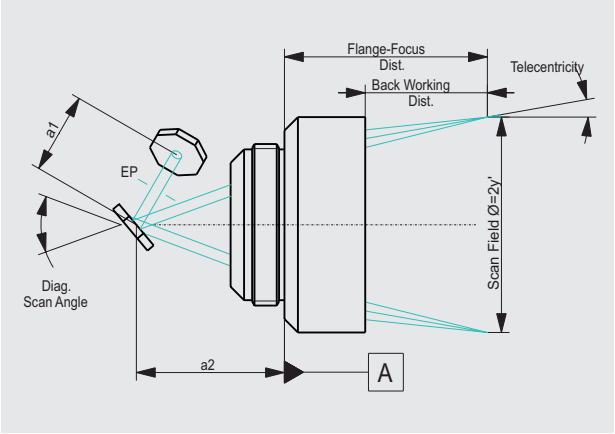




Specifications
JENar™ 102-515…540-75



Definition of geometrical parameters



JENar®: Registered in EU, CN, JP, SG, US | F-Theta: Registered Design 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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