

F-Theta JENar™ Lens Series

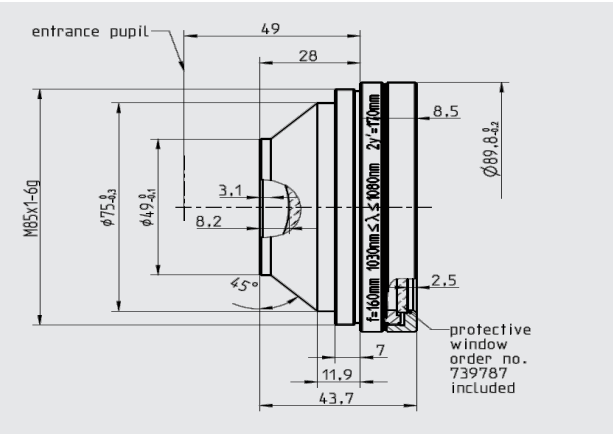
Large Scan Fields – JENar™ 160-1030...1080-170

Parameters	JENar™ 160-1030...1080-170 Compact F-Theta lens for large scan fields	Spot properties
Focal length:	160 mm	
Wavelength:	1030...1080 nm	
Scan field (X x Y); Ø:	(120 mm x 120 mm); 170 mm	
Diagonal scan angle:	60°	
Back working distance:	178.4 mm	
Flange focus distance:	194.1 mm	
Input beam Ø 1/e²:	10 mm	
Focus size Ø 1/e²:	31 µm	
a1:	13 mm	
a2:	42.5 mm	
Telecentricity (only F-Theta with scanner):	17.1° 17.2°	
Group delay dispersion (GDD)*:	934 fs²	
LIDT coating pulsed; CW*:	5.0 J/cm² * (τ/[ns]) ^ 0.30; 5.0 MW/cm²	
LIDT system pulsed; CW*:	5.0 J/cm² * (τ/[ns]) ^ 0.30; 5.0 MW/cm²	
Weight:	0.383 kg	
Order Number:	737081*	

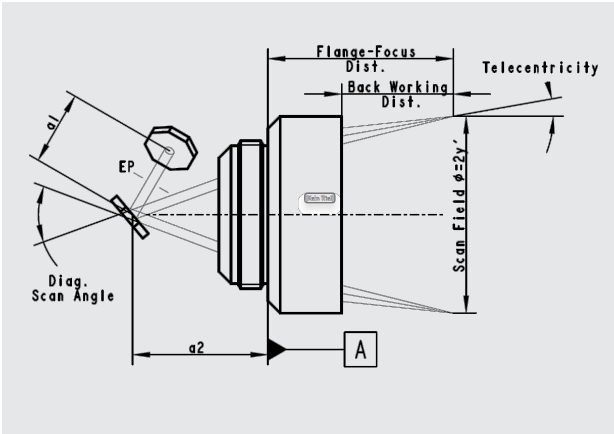
*Please note: Order number was changed. Previous one was 17700-019-26.

Specifications

JENar™ 160-1030...1080-170



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

