

NOTES:

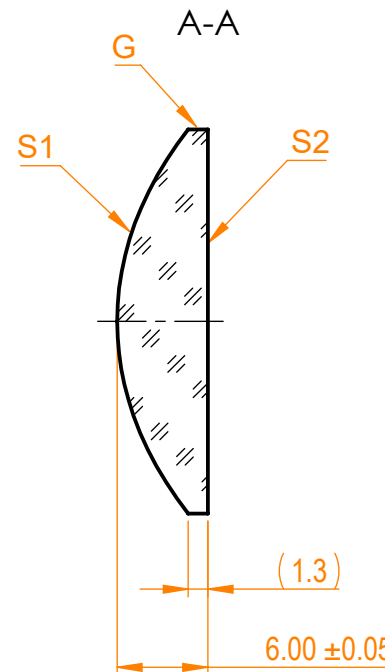
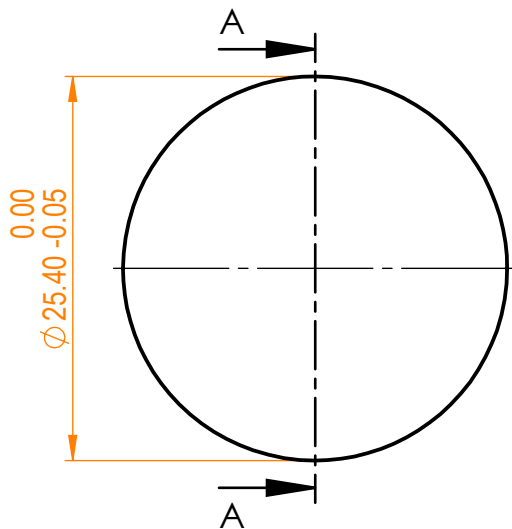
1. Material: UVFS;
2. Design wavelength: 780 nm;
3. Focal length: F=+40 mm ± 0.05%;
4. Centration error: ≤ 3 arcmin;
5. G - Fine ground surface;
6. All dimensions are in mm;
7. Clear aperture: ≥90%;

	R	k	A ₄	A ₆	A ₈	A ₁₀	A ₁₂
S1	18.15	-0.77	4.17169E-06	3.17867E-09	2.06957E-12	1.16538E-15	5.31935E-19
S2	Infinity	-	-	-	-	-	-

$$z = \frac{Y^2}{R(1+\sqrt{1-(1+k)Y^2/R^2})} + A_4Y^4 + A_6Y^6 + A_8Y^8 + A_{10}Y^{10} + A_{12}Y^{12}$$



Isometric view 1:1



Specifications are subject to change without notice
Dimensions are for reference only

Parameters

	S1	S2
Shape	Convex	Plano
Surface quality	40-20 s/d	40-20 s/d
Surface irregularity	-	λ/4 @632.8 nm
Asphere figure error P-V	±1 μm	-
Surface form deviation RMS	≤0.5 μm	-
Protective chamfers	0.2 - 0.3 mm x 45°	0.2 - 0.3 mm x 45°



UVFS pl/cx aspheric lens,
D=25.4 mm, F=40 mm

Proprietary	Approved	Name	Date	Part number	Rev.	Scale
The information in this drawing is property of EKSMA Optics. Any reproduction in part or as a whole without the written permission of EKSMA Optics is prohibited.	Approved	A.K.	2020.03.18	117-2540	A	2:1
	Drawn	M.B.	2020.03.18			