

NOTES:

- SUBSTRATE:  
Fused Silica
- CENTERING TOLERANCE (AT 587.6nm): <1ARCMIN
- COATING (APPLY ACROSS COATING APERTURE)  
S1 & S2: UV-VIS

4. EDGES: FINE GROUND

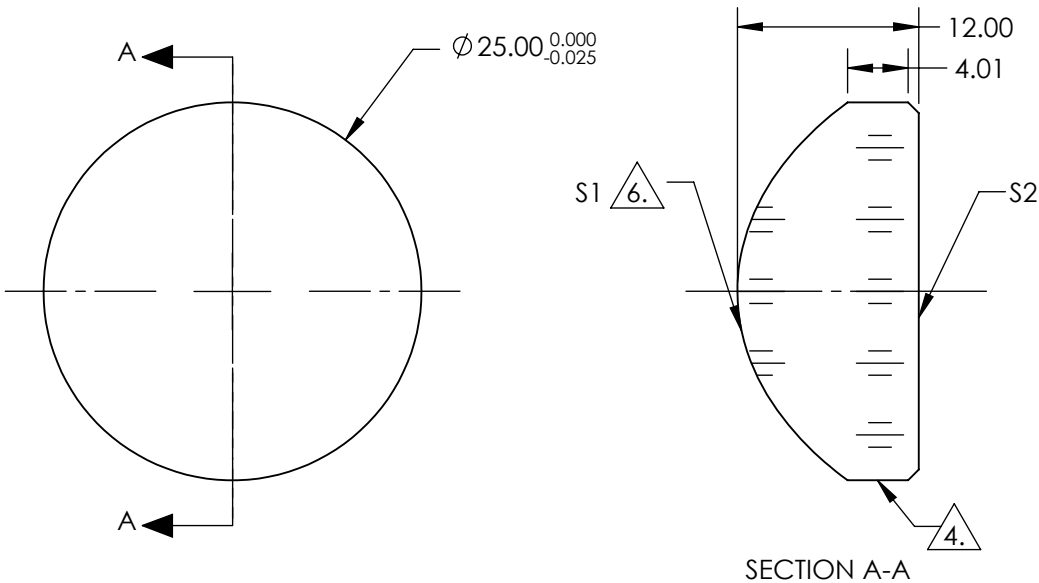
5. ASPHERIC FIGURE ERROR: 0.25 µm RMS

6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE):

$$Z_{ASPH}(Y) = \frac{(1/RADIUS)^2 * Y^2}{1 + \sqrt{1 - (1+k) * (1/RADIUS)^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14}$$


**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY



COEFFIECIENT TABLE 6.	
COEFFIECIENT	S1
SEMI-DIAMETER	1.250000E+01
(1/RADIUS)	8.122157E-02
k	-8.200000E-01
D	0.000000E+00
E	1.878008E-05
F	3.222988E-08
G	4.693204E-11
H	7.688675E-14
J	0.000000E+00
L	0.000000E+00

	S1	S2
SHAPE	CONVEX	CONVEX
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø 22.5mm	Ø 22.5mm
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 285nm: 25.00	
BFL @ 285nm: 17.00	
THIRD ANGLE PROJECTION	
	
ALL DIMS IN	mm

**Edmund Optics®**

TITLE 25mm Dia 0.48 NA Uncoated, UV Fused Silica Aspheric Lens

DWG NO 17325 SHEET 1 OF 1