

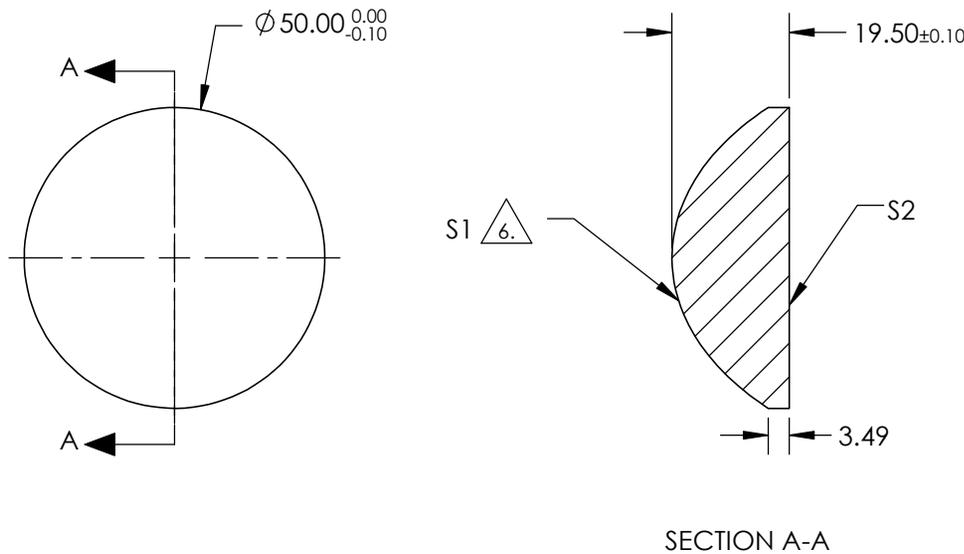
**NOTES:**

1. SUBSTRATE: FUSED SILICA
2. COATING (APPLY ACROSS CLEAR APERTURE)  
 S1: R(avg) <2.5% @ 250 - 700nm  
 S2: R(avg) <2.5% @ 250 - 700nm
3. EDGES: FINE GROUND
4. CENTERING: <3-5 ARCMIN
5. ASPHERE FIGURE ERROR: 0.75µm RMS

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

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

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



COEFFICIENT TABLE 7	
COEFFICIENT	S1
k	-1.215776E+00
D	0
E	6.880041E-06
F	1.315975E-09
G	6.062407E-13
H	5.160185E-16
J	0
L	0

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY**

REV. A	S1	S2	EFL @ 587.6nm	50	Edmund Optics®	
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	36.63	TITLE	50mm DIA 0.50 NA UV-VIS COATED, UV FUSED SILICA ASPHERIC LENS
RADIUS	22.923	INFINITY	THIRD ANGLE PROJECTION			
SURFACE QUALITY	60-40	60-40	ALL DIMS IN	mm	DWG NO	84341
CLEAR APERTURE	90%	90%			SHEET 1 OF 1	
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED				