

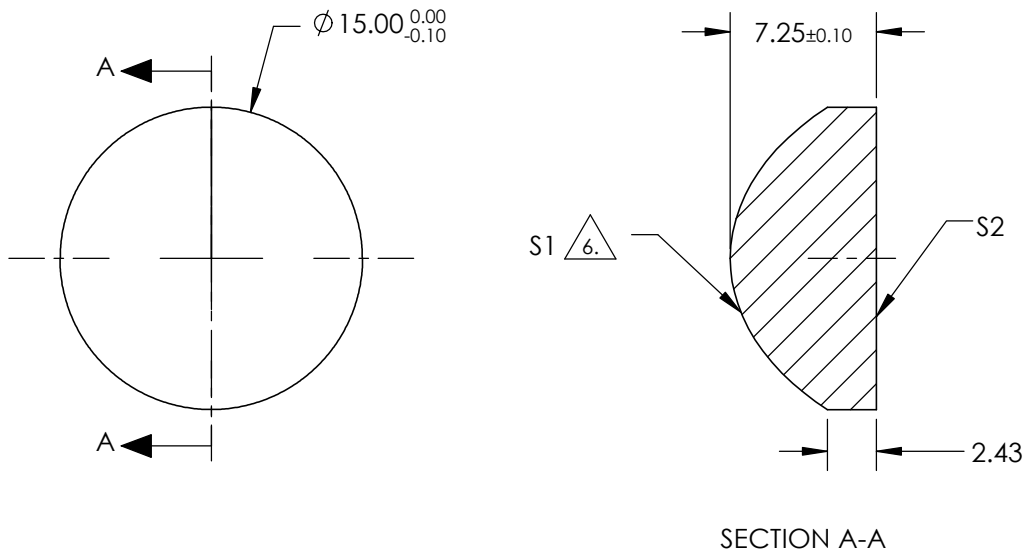
NOTES:

1. SUBSTRATE: FUSED SILICA
2. COATING (APPLY ACROSS CLEAR APERTURE)
S1: R(avg) ≤1.5% @ 425 - 675nm
S2: R(avg) ≤1.5% @ 425 - 675nm
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)

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



COEFFICIENT TABLE 7	
COEFFICIENT	S1
k	-2.076598
D	0
E	5.7879951E-4
F	-3.1626095E-6
G	3.4718029E-8
H	-1.0192328E-10
J	0
L	0

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

REV. A	S1	S2	EFL @ 587.6nm	15	Edmund Optics®	
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	10.029		
RADIUS	6.877	INFINITY	THIRD ANGLE PROJECTION		TITLE	15mm DIA 0.50 NA VIS COATED, UV FUSED SILICA ASPHERIC LENS
SURFACE QUALITY	60-40	60-40	ALL DIMS IN	mm	DWG NO	49587
CLEAR APERTURE	90%	90%				SHEET 1 OF 1
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED				