NOTES:
1. SUBSTRATE: FUSED SILICA

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1: R(avg) ≤1.5% @ 600 - 1050nm
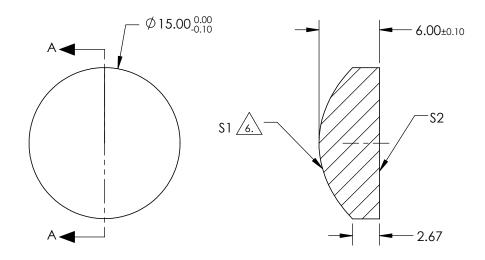   S2: R(avg) ≤1.5% @ 600 - 1050nm

3. EDGES: FINE GROuND

4. CENTERING: <3-5 ARCMIN

5. ASPHERE FIGURE ERROR: 0.75µm RMS

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

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

$\emptyset$ 15.00 $^{0.00}_{-0.10}$

6.00±0.10

2.67

S1 /6.\   S2

A — A

SECTION A-A

COEFFIECIENT TABLE /7\

COEFFIECIENT	S1
k	-2.659391
D	0
E	3.3635149E-4
F	-2.146864E-6
G	1.8099629E-8
H	-7.0259812E-11
J	0
L	0

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

REV. A	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	9.169	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	90%	90%
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	20
BFL @ 587.6nm	15.89

THIRD ANGLE PROJECTION

ALL DIMS IN | mm

Edmund Optics®

TITLE: 15mm DIA 0.38 NA NIR COATED, UV FUSED SILICA ASPHERIC LENS

DWG NO: 49592

SHEET 1 OF 1