NOTES:

1. SUBSTRATE: N-BK7

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1& S2: VIS-EXT+ (350-700nm)

   R(AVG) <0.5% @ 350 - 700nm @ ±30° AOI
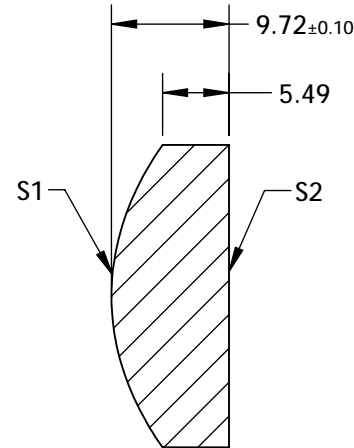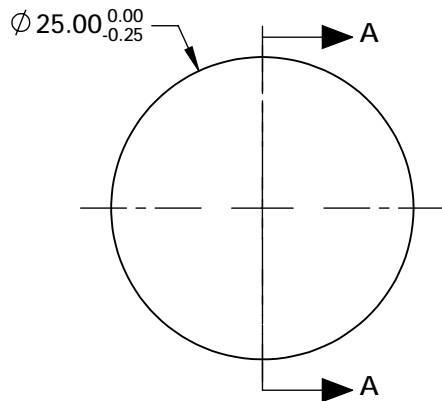   R(ABS) <1.5% @ 350 - 700nm @ ±30° AOI

3. EDGES: FINE GROUND

4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25µm RMS

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

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

$\varnothing$ 25.00 $^{0.00}_{-0.25}$

9.72 ±0.10

5.49

S1   S2

SECTION A-A

COEFFICIENT TABLE 6.

COEFFIECIENT	S1
SEMI-DIAMETER	1.000000E+01
(1/RADIUS)	5.159959E-02
k	-6.698934E-01
D	0.000000E+00
E	1.876737E-06
F	8.930244E-10
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	19.380	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø22.5	Ø22.5
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	37.5
BFL @ 587.6nm	31.09

THIRD ANGLE PROJECTION

ALL DIMS IN: mm

Edmund Optics®

TITLE: 25mm Dia., 0.33 Numerical Aperture, 350-700nm Coated, Precision Aspheric Lens

DWG NO: 16958

SHEET 1 OF 1