

NOTES:

1. SUBSTRATE: N-SF6

2. COATING (APPLY ACROSS CLEAR APERTURE)

S1 & S2: NIR+ (600-1050nm)

R(AVG) <0.5% @ 600 - 1050nm @ ±30° AOI

R(ABS) <1.5% @ 600 - 1050nm @ ±30° AOI

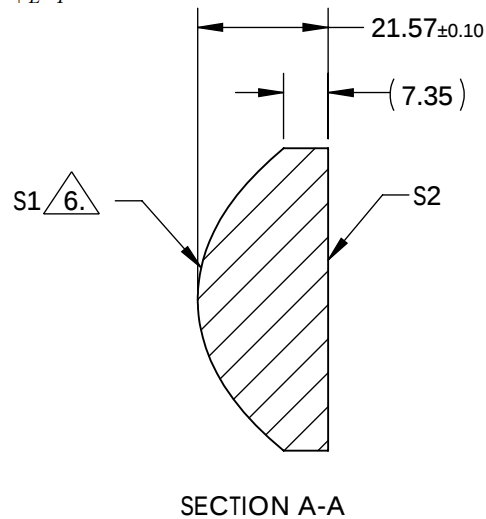
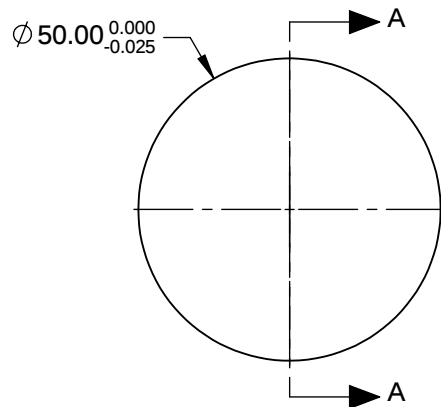
3. EDGES: FINE GROUND

4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25μm RMS

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

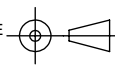
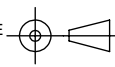
$$Z_{ASPH}(Y) = \frac{(\frac{1}{RADIUS}) * Y^2}{1 + \sqrt{1 - (1+k) * (\frac{1}{RADIUS})^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14}$$



COEFFICIENT TABLE 6.	
COEFFICIENT	S1
SEMI-DIAMETER	2.500000E+01
(1/RADIUS)	4.139758E-02
k	-1.103426E+00
D	0.000000E+00
E	4.605084E-06
F	4.544628E-10
G	-2.257169E-12
H	5.828326E-16
J	0.000000E+00
L	0.000000E+00

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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2	EFL @ 587.6nm	30.00	 Edmund Optics®				
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	18.06					
RADIUS	24.156	INFINITY			TITLE	50mm Dia., 0.83 Numerical Aperture, 600-1050nm Coated, Precision Aspheric Lens			
SURFACE QUALITY	40-20	40-20							
CLEAR APERTURE	Ø45.00	Ø45.00			DWG NO	16990			SHEET 1 OF 1
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED							