NOTES:

1. SUBSTRATE:
   N-BK7

2. CENTERING TOLERANCE (AT 587.6nm):
   BEAM DEVIATION (HALF ANGLE): <3 arcmin

3. COATING (APPLY ACROSS COATING APERTURE)
   S1: NIR (600-1050nm)
   　　Ravg < 0.5% @ 600 - 1050nm @ ±30° AOI
   　　Rabs < 1.5% @ 600 - 1050nm @ ±30° AOI
   S2: NIR (600-1050nm)
   　　Ravg < 0.5% @ 600 - 1050nm @ ±30° AOI
   　　Rabs < 1.5% @ 600 - 1050nm @ ±30° AOI

4. △ EDGES: FINE GROUND

5. △ ASPHERIC FIGURE ERROR: 0.75 μm RMS

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

$$Z_{ASPH}(Y) = \frac{(1/RADIUS)*Y^2}{1+\sqrt{1-(1+k)*(1/RADIUS)^2*Y^2}} + D*Y^2 + E*Y^4 + F*Y^6 + G*Y^8 + H*Y^{10} + J*Y^{12} + L*Y^{14}$$
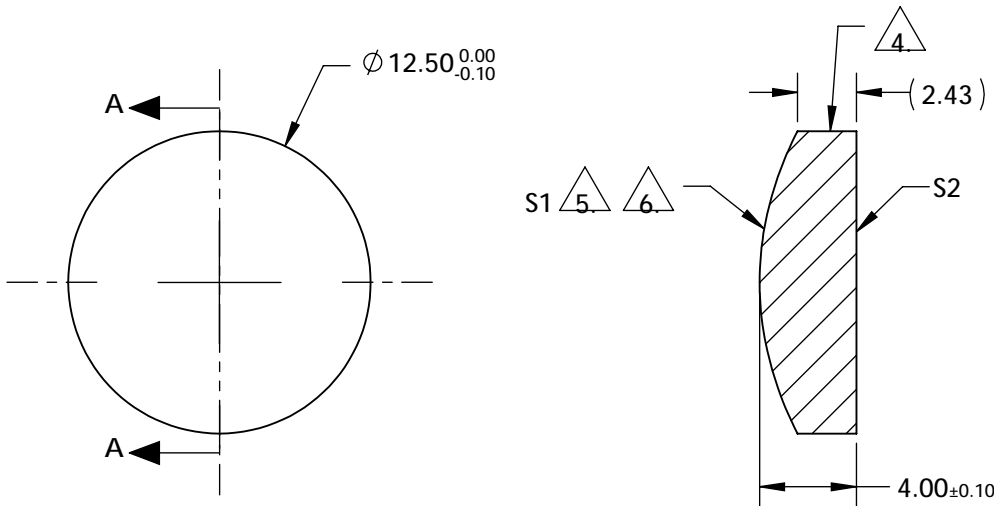
$\emptyset$ 12.50 $^{0.00}_{-0.10}$

A — A

(2.43)

S1 △5 △6 — S2

4.00 ±0.10

SECTION A-A

COEFFICIENT TABLE △6.	
COEFFICIENT	S1
SEMI-DIAMETER	6.250000E+00
(1/RADIUS)	7.82472613E-02
k	-6.920000E-01
D	0.000000E+00
E	7.352300E-06
F	8.146400E-09
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	12.780	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	11.25mm	11.25mm
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

BFL @ 780nm: 22.35

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 12.5mm Dia., 0.25 NA, 600-1050nm Coated, NIR Aspheric Lens

ALL DIMS IN　mm

DWG NO: 16280

SHEET 1 OF 1