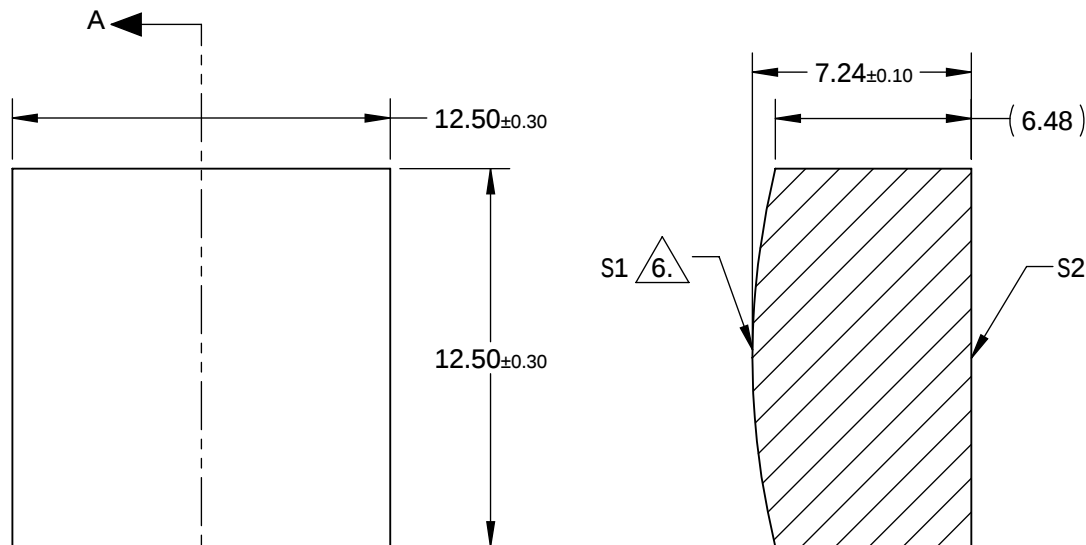


NOTES:

- SUBSTRATE: N-BK7
- COATING (APPLY ACROSS CLEAR APERTURE)
S1: NONE
S2: NONE
- EDGES: FINE GROUND
- CENTERING: <3 ARCMIN
- ASPHERE FIGURE ERROR: 0.25 μm RMS

△ ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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



SECTION A-A

COEFFICIENT TABLE △ 6.

COEFFICIENT	S1
SEMI-DIAMETER	12.500000E+00
(1/RADIUS)	0.386996E-01
k	-8.004240E-01
D	0.000000E+00
E	1.643994E-06
F	5.887865E-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	25.840	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	11.50 x 11.50	11.50 x 11.50
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	50.00
BFL @ 587.6nm	45.23
THIRD ANGLE PROJECTION	
ALL DIMS IN	mm



Edmund Optics®

TITLE

12.5 x 12.5mm, 0.13 Numerical Aperture,
Uncoated, Square Precision Aspheric Lens

DWG NO

17312

SHEET
1 OF 1