NOTES:
1. SUBSTRATE: FUSED SILICA

2. COATING (APPLY ACROSS CLEAR APERTURE)

      S1: R(avg) ≤1.5% @ 250 - 450nm
      S2: R(avg) ≤1.5% @ 250 - 450nm

3. EDGES: FINE GROuND

4. CENTERING: <3-5 ARCMIN

5. ASPHERE FIGURE ERROR: 0.75µm RMS

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

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

⌀ 50.00 $^{0.00}_{-0.10}$

17.00 ±0.10

4.42

S1 /6.\

S2

SECTION A-A

COEFFIECIENT TABLE /7\

COEFFIECIENT	S1
k	-1.471923E+00
D	0
E	5.474309E-06
F	-2.150776E-10
G	4.540082E-13
H	-3.526000E-18
J	0
L	0

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

REV. A	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	27.508	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	90%	90%
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	60
BFL @ 587.6nm	48.34

THIRD ANGLE PROJECTION

ALL DIMS IN | mm

Edmund Optics®

TITLE: 50mm DIA 0.42 NA UV COATED, UV FUSED SILICA ASPHERIC LENS

DWG NO: 67273

SHEET 1 OF 1