


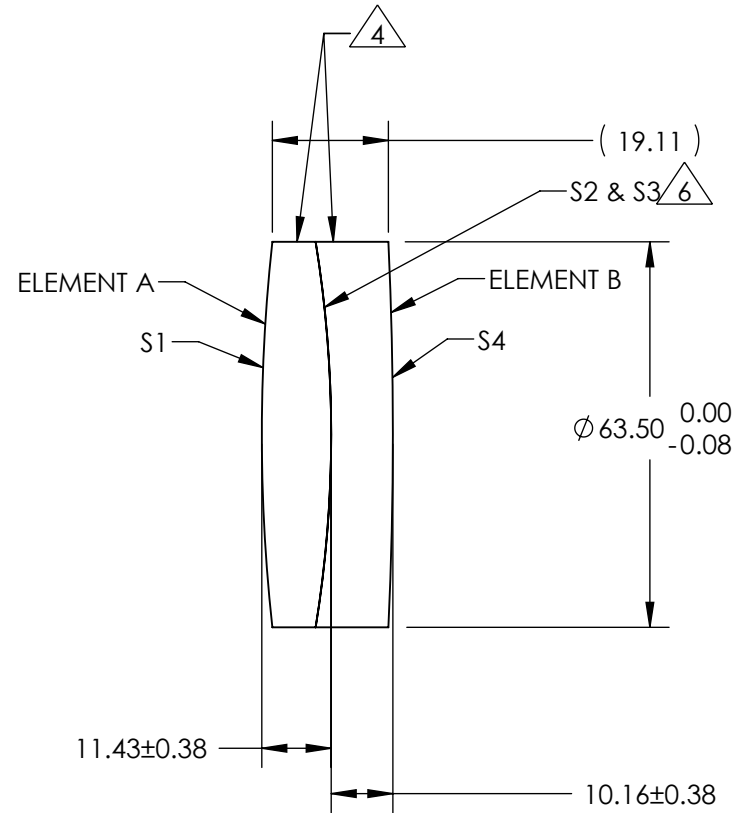
NOTES:

1. ALLOWABLE OPTICAL MATERIAL: GRADE A FINE ANNEALED
ELEMENT A: SCHOTT: N-BK7 517/642
ELEMENT B: SCHOTT: N-SF2 648/339
2. CENTERING TOLERANCE:
BEAM DEVIATION: 5 arc min.
3. COATING (APPLY ACROSS COATING APERTURE)
S1 & S4: 1/4 Wave MgF2@550nm
Ravg ≤1.75% 400-700nm (BK7)
S2 & S3: NONE

 FINE GROUND SURFACE

5. FOCAL LENGTH TOLERANCE: ± 1%


 ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE NOA 61



FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

| | ELEMENT A | | ELEMENT B | |
|-----------------|-------------|-------------|-------------|-------------|
| | S1 | S2 | S3 | S4 |
| SHAPE | CONVEX | CONVEX | CONCAVE | CONVEX |
| RADIUS | 290.86 | -197.87 | -197.87 | -680.72 |
| SURFACE QUALITY | 60-40 | 60-40 | 60-40 | 60-40 |
| CLEAR APERTURE | 60.00 | 60.00 | 60.00 | 60.00 |
| BEVEL MAX FACE | 0.4mm x 45° | 0.4mm x 45° | 0.4mm x 45° | 0.4mm x 45° |

| | | | |
|---------------------|--------|---|---|
| EFL (AT 587.6nm) | 486.30 |  Edmund Optics® | |
| BFL (AT 587.6nm) | 476.42 | | |
| ALL DIMS IN | mm | TITLE | LENS LARGE ACHROMAT 63.5MM DIA X 486.3MM FL MgF2 |
| | | DWG NO | 42817 |