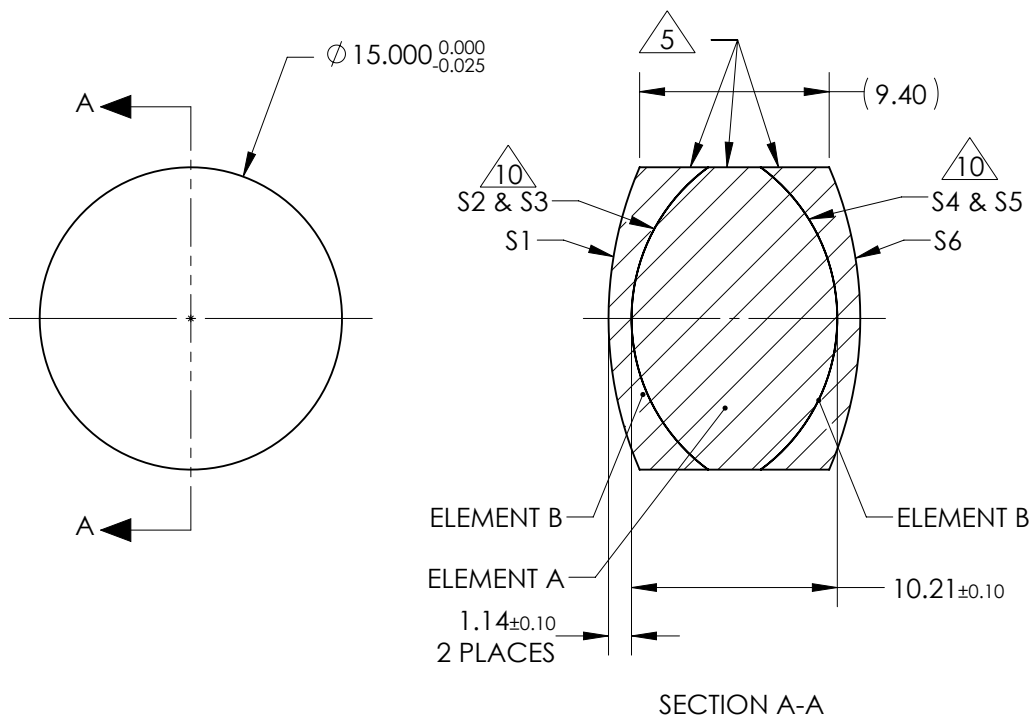


NOTES:

1. SUBSTRATE:  
ELEMENT A: GRADE A FINE ANNEALED  
SCHOTT: N-BK7 517/642  
  
ELEMENT B: GRADE A FINE ANNEALED  
SCHOTT: N-F2 620/364
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):  
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)  
S1 & S6: ¼ WAVE MgF2 @ 550nm  
R(AVG) < 1.75% FROM 400-700nm (N-BK7)  
S2 & S3 & S4 & S5: NONE
5. FINE GRIND SURFACE
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
7. FOCAL LENGTH (EFL): 25.40mm ±2%  
BACK FOCAL LENGTH (BFL): 20.00mm
8. PROTECTIVE BEVEL AS NEEDED
9. DESIGN WAVELENGTH: 587.6nm
10. ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE NOA61



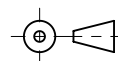
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

| ELEMENT TITLE           | SPECIFICATIONS AFTER CEMENTING |            |            |            |
|-------------------------|--------------------------------|------------|------------|------------|
|                         | ELEMENT A                      |            | ELEMENT B  |            |
| SURFACE                 | S3                             | S4         | S1 & S6    | S2 & S5    |
| SHAPE                   | CONVEX                         | CONVEX     | CONVEX     | CONCAVE    |
| RADIUS                  | 9.30                           | 9.30       | 19.00      | 9.30       |
| SURFACE QUALITY         | 40 - 20                        | 40 - 20    | 40 - 20    | 40 - 20    |
| MIN CLEAR APERTURE      | Ø 14.00                        | Ø 14.00    | Ø 14.00    | Ø 14.00    |
| MIN COATING APERTURE    | N/A                            | N/A        | Ø 14.00    | N/A        |
| POWER AT 632.8nm        | 3.00 RINGS                     | 3.00 RINGS | 3.00 RINGS | 3.00 RINGS |
| IRREGULARITY AT 632.8nm | 0.50 RINGS                     | 0.50 RINGS | 0.50 RINGS | 0.50 RINGS |

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

**EO**® Edmund Optics®

THIRD ANGLE  
PROJECTION



ALL DIMS IN

mm

TITLE

15mm Dia x 25.4mm EFL Hastings Triplet  
Achromatic Lens

DWG NO

30120

SHEET  
1 OF 1