

NOTES:

- SUBSTRATE:  
ELEMENT A: N-BAF10 670/472  
ELEMENT B: N-SF6 805/254
- ROHS COMPLIANT
- CENTERING TOLERANCE (AT 587.6nm):  
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
- COATING (APPLY ACROSS COATING APERTURE)  
S1 & S4: VIS 0°  
R(AVG) ≤ 0.4% FROM 425 - 675nm @ 0° AOI  
S2 & S3: NONE

5 FINE GRIND SURFACE

- POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

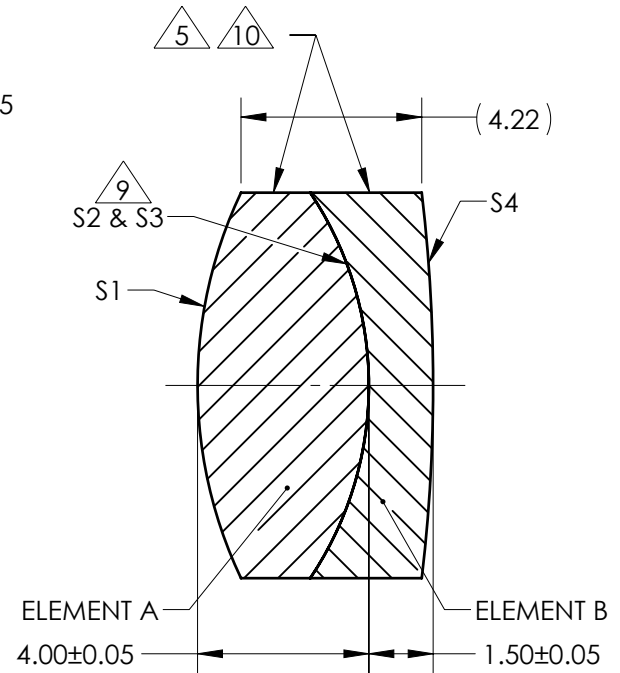
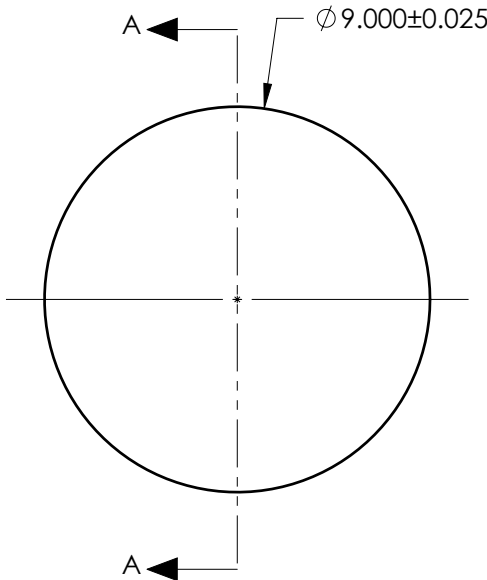
- FOCAL LENGTH (EFL): 15.00mm±1%  
BACK FOCAL LENGTH (BFL): 12.08mm

- PROTECTIVE BEVEL AS NEEDED

- DESIGN WAVELENGTH: 587.6nm

9 ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE NOA61

10 BLACKENED SURFACE



SECTION A-A

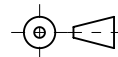
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

| ELEMENT TITLE           | SPECIFICATIONS AFTER CEMENTING |            |            |            |
|-------------------------|--------------------------------|------------|------------|------------|
|                         | ELEMENT A                      |            | ELEMENT B  |            |
| SURFACE                 | S1                             | S2         | S3         | S4         |
| SHAPE                   | CONVEX                         | CONVEX     | CONCAVE    | CONVEX     |
| RADIUS                  | 10.49                          | 8.08       | 8.08       | 38.23      |
| SURFACE QUALITY         | 40 - 20                        | 40 - 20    | 40 - 20    | 40 - 20    |
| MIN CLEAR APERTURE      | Ø 8.10                         | Ø 8.10     | Ø 8.10     | Ø 8.10     |
| MIN COATING APERTURE    | Ø 8.00                         | N/A        | N/A        | Ø 8.00     |
| 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

9mm Dia. x 15mm FL, VIS 0, Inked,  
Achromatic Lens

DWG NO

49938INK

SHEET  
1 OF 1