

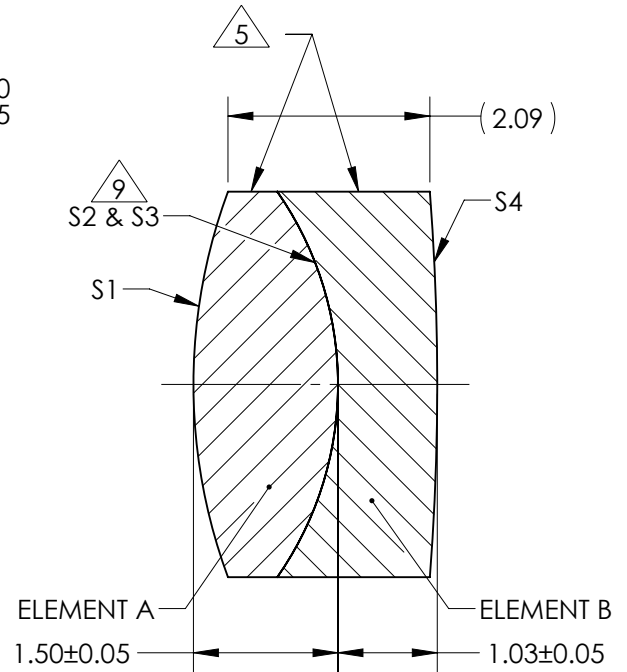
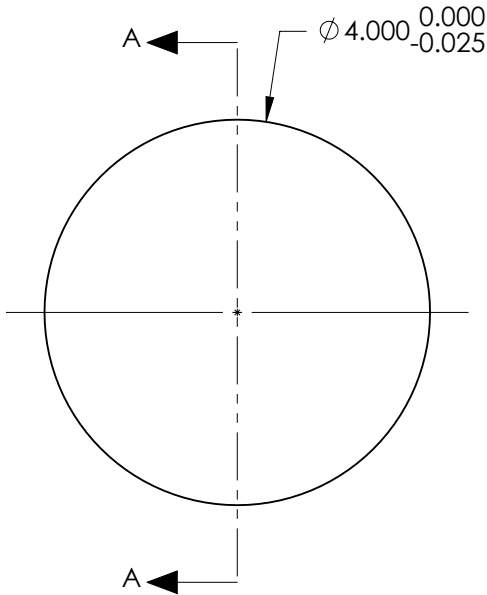
NOTES:

- SUBSTRATE:  
ELEMENT A: N-BAF10 670/472  
ELEMENT B: N-SF10 728/284
- ROHS COMPLIANT
- CENTERING TOLERANCE (AT 587.6nm):  
BEAM DEVIATION (HALF ANGLE): <3 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): 8.00mm±1%  
BACK FOCAL LENGTH (BFL): 6.69mm
- PROTECTIVE BEVEL AS NEEDED
- DESIGN WAVELENGTH: 587.6nm

9 ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE NOA61



SECTION A-A

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

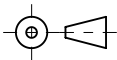
| ELEMENT TITLE           | SPECIFICATIONS AFTER CEMENTING |            |            |            |
|-------------------------|--------------------------------|------------|------------|------------|
|                         | ELEMENT A                      |            | ELEMENT B  |            |
| SURFACE                 | S1                             | S2         | S3         | S4         |
| SHAPE                   | CONVEX                         | CONVEX     | CONCAVE    | CONVEX     |
| RADIUS                  | 5.76                           | 3.49       | 3.49       | 26.05      |
| SURFACE QUALITY         | 20 - 10                        | 20 - 10    | 20 - 10    | 20 - 10    |
| MIN CLEAR APERTURE      | Ø 3.60                         | Ø 3.60     | Ø 3.60     | Ø 3.60     |
| MIN COATING APERTURE    | Ø 3.00                         | N/A        | N/A        | Ø 3.00     |
| 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

**Edmund Optics®**

|        |                                                  |  |              |
|--------|--------------------------------------------------|--|--------------|
| TITLE  | 4mm Dia. x 8mm FL, VIS 0 Coated, Achromatic Lens |  |              |
| DWG NO | 49274                                            |  | SHEET 1 OF 1 |

THIRD ANGLE PROJECTION



ALL DIMS IN

mm