

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): <1 ARCMIN
- COATING (APPLY ACROSS COATING APERTURE)  
  
S1 & S4: VIS-NIR  
R(ABS) ≤ 0.25% @ 880nm @ 0° AOI  
R(AVG) ≤ 1.25% FROM 400 - 870nm @ 0° AOI  
R(AVG) ≤ 1.25% FROM 890 - 1000nm @ 0° AOI

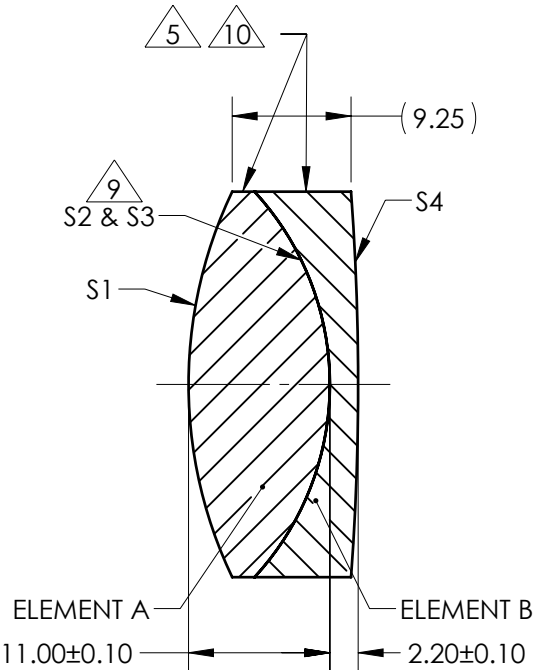
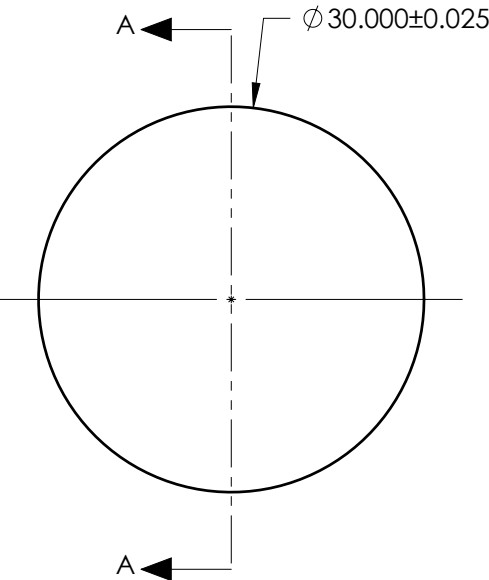
S2 & S3: NONE

5 FINE GRIND SURFACE

- POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
- FOCAL LENGTH (EFL): 50.00mm±1%  
BACK FOCAL LENGTH (BFL): 42.57mm
- 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**

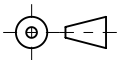
| ELEMENT TITLE           | SPECIFICATIONS AFTER CEMENTING |            |            |            |
|-------------------------|--------------------------------|------------|------------|------------|
|                         | ELEMENT A                      |            | ELEMENT B  |            |
| SURFACE                 | S1                             | S2         | S3         | S4         |
| SHAPE                   | CONVEX                         | CONVEX     | CONCAVE    | CONVEX     |
| RADIUS                  | 34.81                          | 22.12      | 22.12      | 203.48     |
| SURFACE QUALITY         | 40 - 20                        | 40 - 20    | 40 - 20    | 40 - 20    |
| MIN CLEAR APERTURE      | Ø 29.00                        | Ø 29.00    | Ø 29.00    | Ø 29.00    |
| MIN COATING APERTURE    | Ø 29.00                        | N/A        | N/A        | Ø 29.00    |
| 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  | 30mm Dia. x 50mm FL, VIS-NIR, Inked, Achromatic Lens |  |              |
| DWG NO | 49371INK                                             |  | SHEET 1 OF 1 |

THIRD ANGLE PROJECTION



ALL DIMS IN

mm