

1. SUBSTRATE:  
ELEMENT A: S-BaH11 667/483  
ELEMENT B: N-SF10 728/284
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):  
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)  
S1 & S4: VIS-NIR  
 $R(ABS) \leq 0.25\% @ 880nm @ 0^\circ AOI$   
 $R(AVG) \leq 1.25\% \text{ FROM } 400 - 870nm @ 0^\circ AOI$   
 $R(AVG) \leq 1.25\% \text{ FROM } 890 - 1000nm @ 0^\circ AOI$

S1 & S4: VIS-NIR  
 $R(ABS) \leq 0.25\% @ 880nm @ 0^\circ AOI$   
 $R(AVG) \leq 1.25\% \text{ FROM } 400 - 870nm @ 0^\circ AOI$   
 $R(AVG) \leq 1.25\% \text{ FROM } 890 - 1000nm @ 0^\circ AOI$

5 FINE GRIND SURFACE

6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

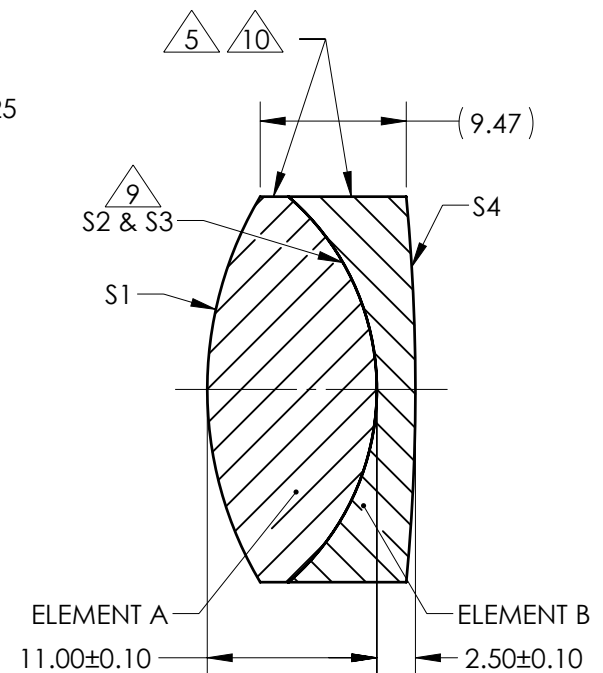
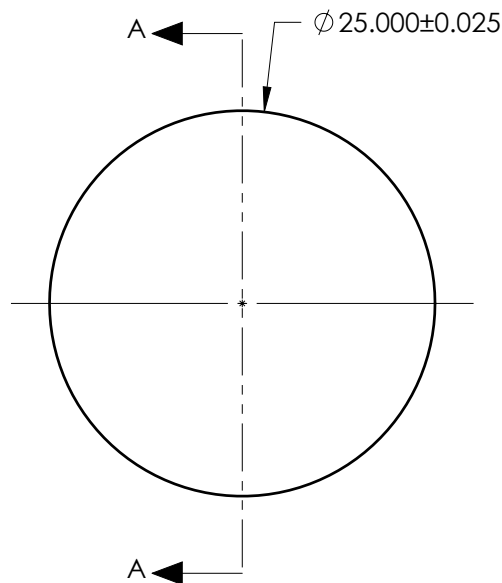
7. FOCAL LENGTH (EFL): 35.00mm±1%  
BACK FOCAL LENGTH (BFL): 27.55mm

8. PROTECTIVE BEVEL AS NEEDED

9. DESIGN WAVELENGTH: 587.6nm

9 ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE NOA61

10 BLACKENED SURFACE



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

|                         | SPECIFICATIONS AFTER CEMENTING |            |            |            |
|-------------------------|--------------------------------|------------|------------|------------|
| ELEMENT TITLE           | ELEMENT A                      |            | ELEMENT B  |            |
| SURFACE                 | S1                             | S2         | S3         | S4         |
| SHAPE                   | CONVEX                         | CONVEX     | CONCAVE    | CONVEX     |
| RADIUS                  | 24.47                          | 16.49      | 16.49      | 131.65     |
| SURFACE QUALITY         | 40 - 20                        | 40 - 20    | 40 - 20    | 40 - 20    |
| MIN CLEAR APERTURE      | Ø 24.00                        | Ø 24.00    | Ø 24.00    | Ø 24.00    |
| MIN COATING APERTURE    | Ø 24.00                        | N/A        | N/A        | Ø 24.00    |
| 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

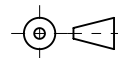


25mm Dia. x 35mm FL, VIS-NIR, Inked,  
Achromatic Lens

|        |          |
|--------|----------|
| DWG NO | 49353INK |
|--------|----------|

SHEET  
1 OF 1

### THIRD ANGLE PROJECTION



ALL DIMS IN

mm