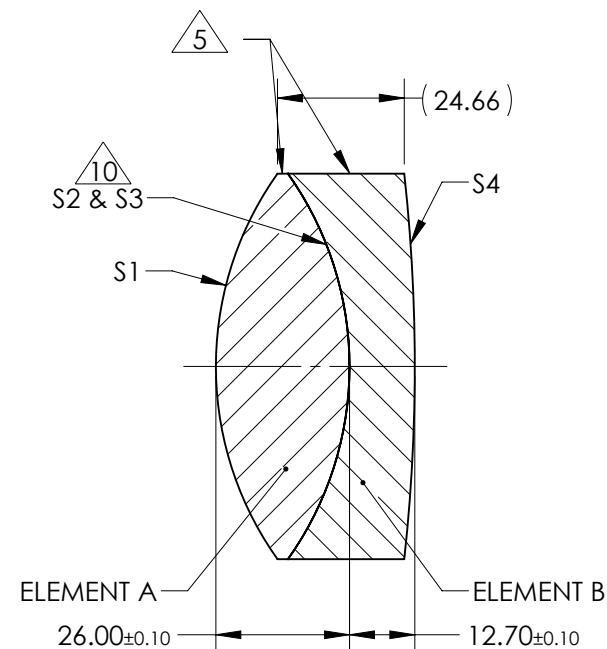
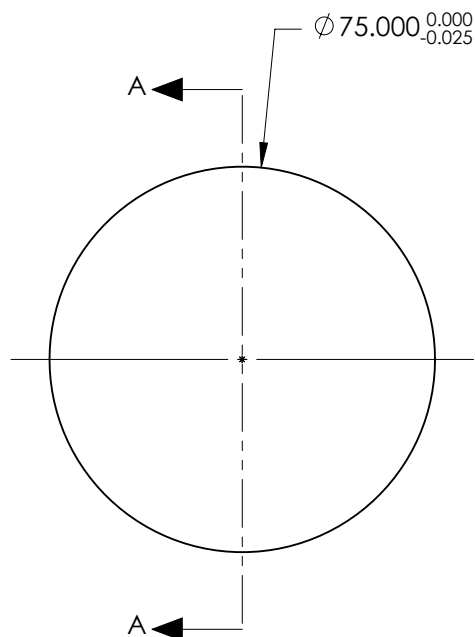


# NOTES:

- SUBSTRATE:  
ELEMENT A: GRADE A FINE ANNEALED  
SCHOTT: N-BaF10 670/472  
  
ELEMENT B: GRADE A FINE ANNEALED  
SCHOTT: N-SF57 847/238
- 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
-  FINE GRIND SURFACE
- POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
- FOCAL LENGTH (EFL): 100.00mm ±2%  
BACK FOCAL LENGTH (BFL): 78.32mm
- PROTECTIVE BEVEL AS NEEDED
- DESIGN WAVELENGTH: 587.6nm
-  ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE NOA61

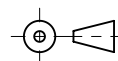


SECTION A-A

***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                  | 64.67                          | 64.67      | 64.67      | 343.59     |
| SURFACE QUALITY         | 40 - 20                        | 40 - 20    | 40 - 20    | 40 - 20    |
| MIN CLEAR APERTURE      | Ø 73.00                        | Ø 73.00    | Ø 73.00    | Ø 73.00    |
| MIN COATING APERTURE    | Ø 74.00                        | N/A        | N/A        | Ø 74.00    |
| POWER AT 632.8nm        | 3.00 RINGS                     | 8.00 RINGS | 8.00 RINGS | 3.00 RINGS |
| IRREGULARITY AT 632.8nm | 0.50 RINGS                     | 2.00 RINGS | 2.00 RINGS | 0.50 RINGS |

THIRD ANGLE  
PROJECTION



ALL DIMS IN

mm

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

Fiber Optics For Sale Co.  
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75mm Dia. x 100mm FL, VIS 0 Coated,  
Achromatic Lens

TITLE

DWG NO

E-33921

SHEET  
1 OF 1