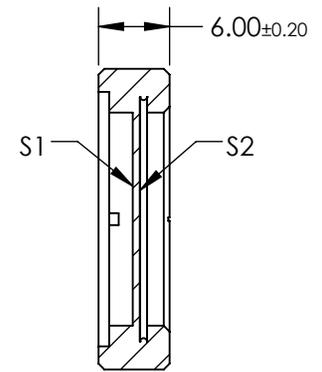
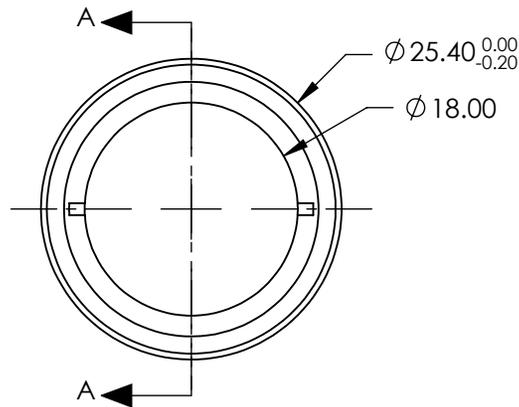


NOTES:

1. SUBSTRATE:  
Crystalline Quartz
2. COATING (APPLY ACROSS COATING APERTURE):  
S1 & S2: R(AVG) <0.2%
- DAMAGE THRESHOLD,  
PULSED: >20 J/cm<sup>2</sup>, 10ns @ 10Hz @ 1064nm
3. SURFACE S1 TO BE PARALLEL TO SURFACE S2 TO WITHIN <3 ARCSEC
4. RETARDANCE:  $\lambda/4 \pm \lambda/300$  @ 20°C  
RETARDANCE ORDER: 0
5. DESIGN WAVELENGTH: 1550nm
6. TRANSMITTED WAVEFRONT: < $\lambda/10$  @ 632.8nm
7. ROHS: COMPLIANT



SECTION A-A

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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

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|                 |        |        |                        |                |  |              |
|-----------------|--------|--------|------------------------|----------------|--|--------------|
|                 | S1     | S2     | THIRD ANGLE PROJECTION | TITLE          | 25.4mm Dia., 1550nm, $\lambda/4$ High Energy Waveplate |              |
| SURFACE QUALITY | 20-10  | 20-10  |                        | DWG NO         | 39180  | SHEET 1 OF 1 |
| CLEAR APERTURE  | Ø18.00 | Ø18.00 |                        | ALL DIMS IN mm |  |              |