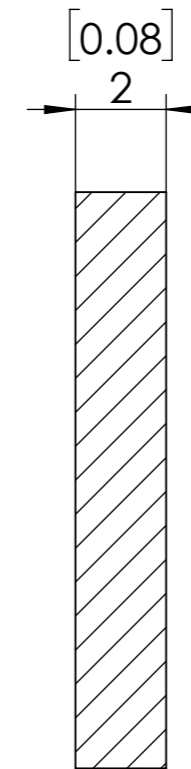
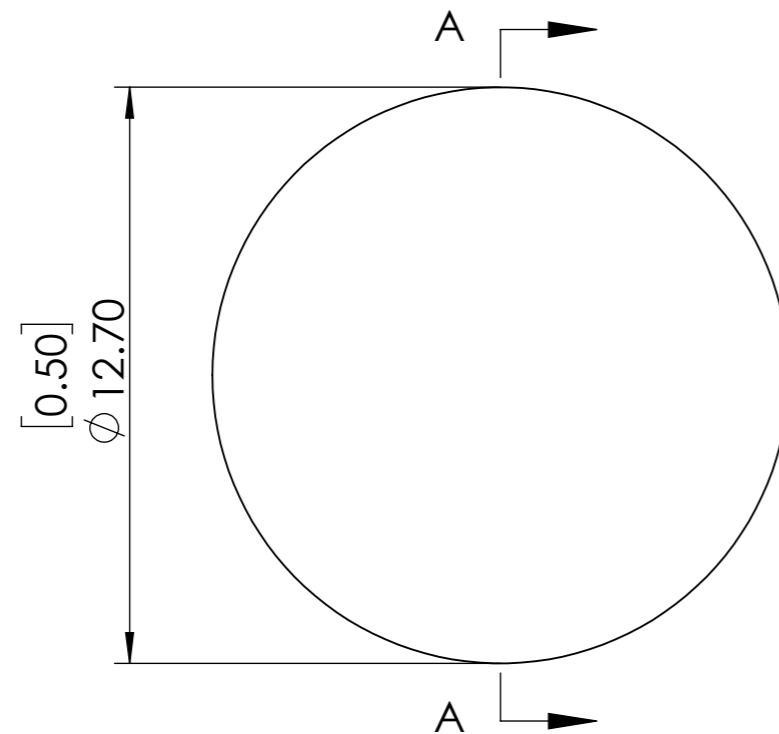
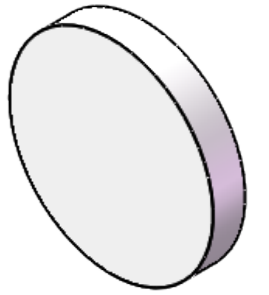


**FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES**



SECTION A-A

1. DESIGN WAVELENGTH: 514.5 nm
2. RETARDATION:  $\lambda/2$
3. RETARDATION TOLERANCE:  $\lambda/100$
4. CLEAR APERTURE: >90%
5. SURFACE QUALITY: 60-40
6. PARALLELISM: <3 arcmin

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| <b>SIMTRUM</b><br>www.simtrum.com |                                   |
| Title:                            | Quartz Multi-Order Half Waveplate |
| Material:                         | Crystalline Quartz                |
| Part No:                          | MHWP-12.7-514.5                   |