NOTES:

1. SUBSTRATE:
   FUSED SILICA

2. SURFACE S2 TO BE PARALLEL TO SURFACE S1 TO WITHIN <3 ARCMIN

3. COATING (APPLY ACROSS COATING APERTURE)
   @ 0° ANGLE OF INCIDENCE

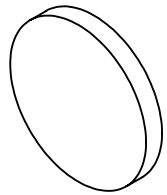
   Surface 1: Ravg >99% @ 376 - 425nm Tavg >98% @ 700 - 900nm
   Surface 2: Ravg <1% @ 700 - 900nm

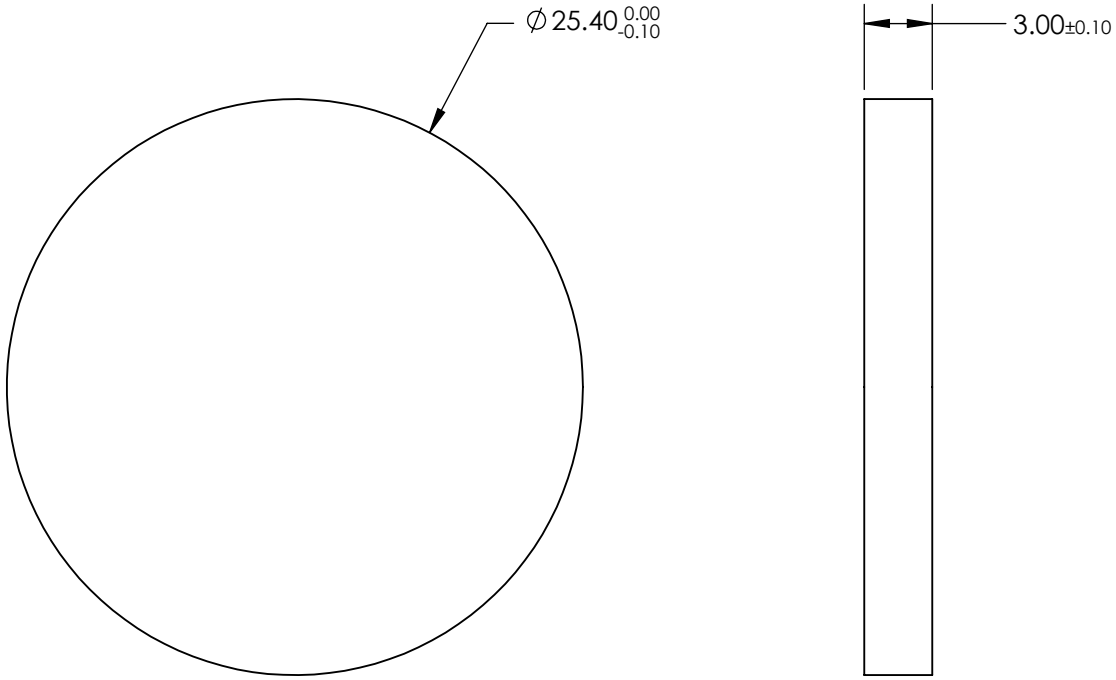
   GDD: Surface 1: 0±20fs2 @ 376 - 425nm

4. FINE GRIND SURFACE

5. REFLECTION WAVELENGTH: 400nm
   TRANSMISSION WAVELENGTH: 800nm

6. WAVEFRONT DISTORTION: λ/10 @ 632.8nm






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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

| | S1 | S2 |
|---|---|---|
| SHAPE | PLANO | PLANO |
| SURFACE FLATNESS | λ/8 | λ/8 |
| SURFACE QUALITY | 10-5 | 10-5 |
| CLEAR APERTURE | ∅21.59 | ∅21.59 |
| BEVEL | PROTECTED AS NEEDED | PROTECTED AS NEEDED |

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: 25.4mm DIA., 800nm T, 400nm R 0DEG Ti:Sapphire Ultrafast Harmonic Separator

ALL DIMS IN: mm

DWG NO: 22678

SHEET 3 OF 4