NOTES:

1. SUBSTRATE MATERIAL:
   FUSED SILICA

2. SURFACE S2 TO BE PARALLEL TO SURFACE S1 <10 ARCSEC

3. COATING (APPLY ACROSS COATING APERTURE)
   S1: ULTRAFAST LASER
   Rs >99.75% @ 320 - 370nm
   Rp >99.5% @ 327 - 363nm AT 45° AOI

   DAMAGE THRESHOLD,
   0.55 J/cm² @ 343nm, 180fs FWHM, S-polarization, 1 pulse (typical)
   0.25 J/cm² @ 343nm, 180fs FWHM, S-polarization, 1000 pulses (typical)
   0.37 J/cm² @ 343nm, 180fs FWHM, P-polarization, 1 pulse (typical)
   0.22 J/cm² @343nm, 180fs FWHM, P-polarization, 1000 pulses (typical)

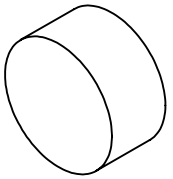
   S2: STRESS COMPENSATING COATING

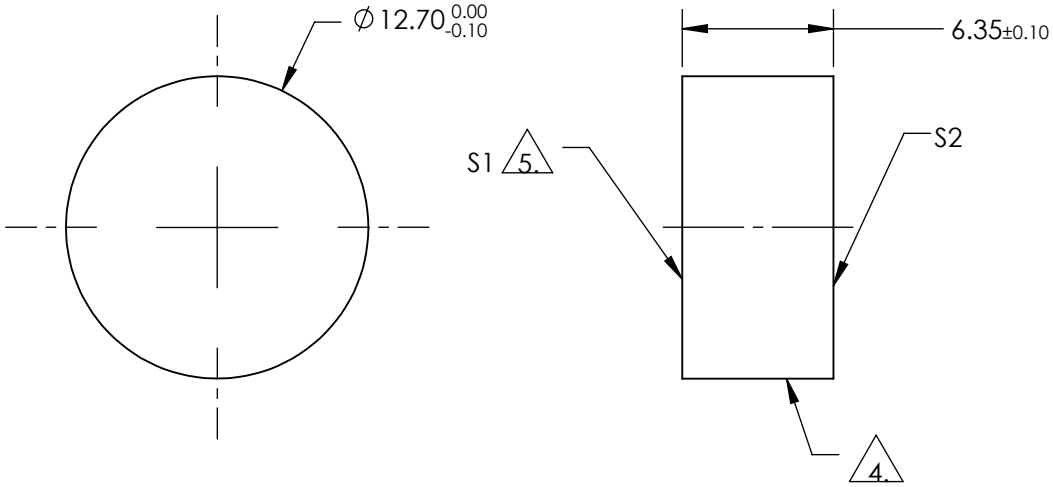
   GROUP DELAY DISPERSION:
   s-pol:0 ±10fs2 @ 320 - 370nm
   p-pol:0±10fs2@ 330 - 360nm

4. FINE GROUND SURFACE

5. SURFACE ROUGHNESS: <5Å RMS

6. RoHS: COMPLIANT





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/10	N/A
SURFACE QUALITY	10-5	COMMERCIAL POLISH
CLEAR APERTURE (%)	>80	N/A
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: 343nm, 12.7mm Dia., Low GDD Ultrafast Mirror

ALL DIMS IN: mm

DWG NO: 12463

SHEET 1 OF 1