

NOTES:

1. SUBSTRATE MATERIAL:  
FUSED SILICA
2. SURFACE S2 TO BE PARALLEL TO SURFACE S1 <3 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: ULTRAFAST LASER  
Rs >99.75% @ 500 - 530nm @ 45° AOI  
Rp >99.5% @ 500 - 530nm @ 45° AOI

S2: STRESS COMPENSATING COATING

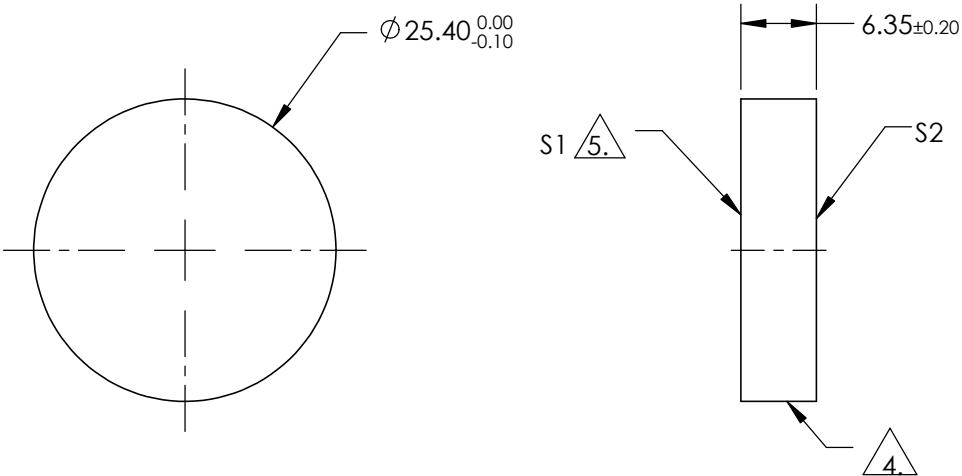
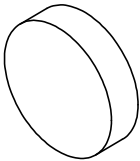
GROUP DELAY DISPERSION:  
±20fs² @ 500 - 530nm (S-POL & P-POL)

DAMAGE THRESHOLD: 0.17 J/cm² @ 515nm, 178fs, 1 pulse (typical)  
0.15 J/cm² @ 515nm, 178fs, 10kHz, 1000 pulses (typical)

4. FINE GROUND SURFACE


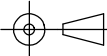
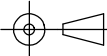
5. SURFACE ROUGHNESS: RMS

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	 Edmund Optics®			
SHAPE	PLANO	PLANO				
SURFACE FLATNESS	λ/8	N/A				
SURFACE QUALITY	10-5	COMMERCIAL POLISH	THIRD ANGLE PROJECTION		TITLE	500 - 530nm, 25.4mm Dia., Low GDD Ultrafast Mirror
CLEAR APERTURE (%)	90%	N/A			DWG NO	12834
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN		mm	SHEET 1 OF 1