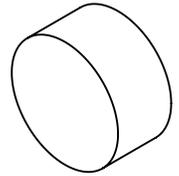


NOTES:

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  
Rp >99.5% @ 500 - 530nm



S2: NONE

DAMAGE THRESHOLD, PULSED:

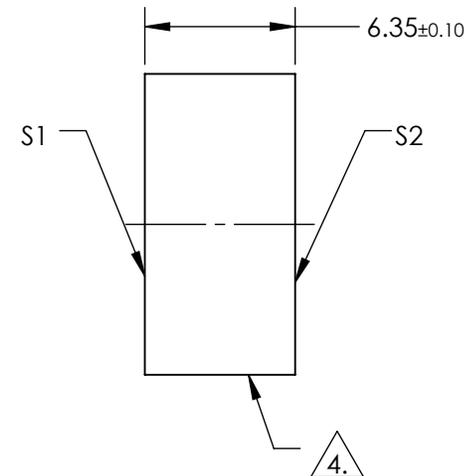
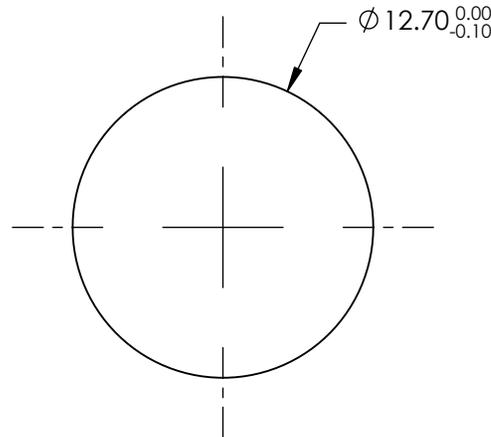
0.17 J/cm<sup>2</sup> @ 515nm, 178fs, 1 pulse (typical)  
0.15 J/cm<sup>2</sup> @ 515nm, 178fs, 10kHz, 1000 pulses (typical)

GROUP DELAY DISPERSION:

S-pol: 0 ±20fs<sup>2</sup> @ 500 - 530nm  
P-pol: 0 ±20fs<sup>2</sup> @ 500 - 530nm

 FINE GROUND SURFACE

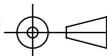
5. RoHS: COMPLIANT



**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/8	N/A
SURFACE QUALITY	20-10	COMMERCIAL POLISH
CLEAR APERTURE (%)	11.43	N/A
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION 

ALL DIMS IN

mm

 **Edmund Optics®**

TITLE

500 - 530nm, 12.7mm Dia., Ultrafast Mirror

DWG NO

17551

SHEET  
1 OF 1