NOTES:

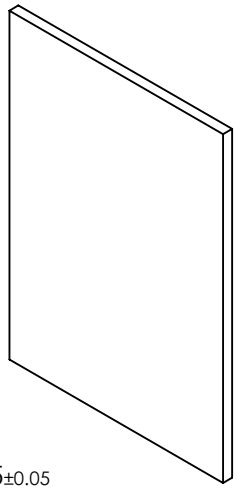
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
   PERFORMANCE SPECIFICATIONS:
   T(avg): >85% FROM 400 - 725nm FOR RANDOM POLARIZATION @ 45° AOI
   T(abs): >80% FROM 400 - 725nm FOR ALL POLARIZATIONS @ 45° AOI
   R(avg): >97% FROM 800 - 990nm FOR RANDOM POLARIZATION @ 45° AOI
   R(abs): >95% FROM 800 - 990nm FOR ALL POLARIZATIONS @ 45° AOI
   T(abs): = 50% 750nm @ 45° AOI

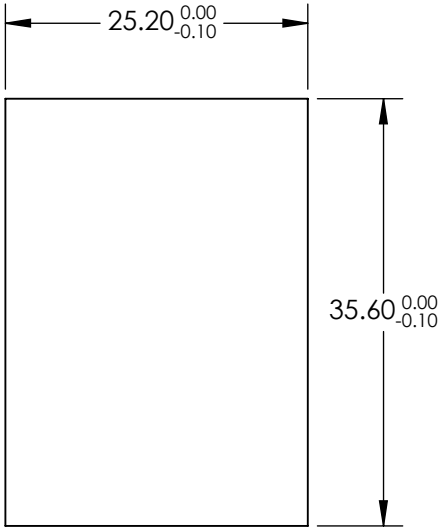
   GDD: 80 ± 30fs² @ 500 - 725nm
   120 ± 80fs² @ 400 - 725nm

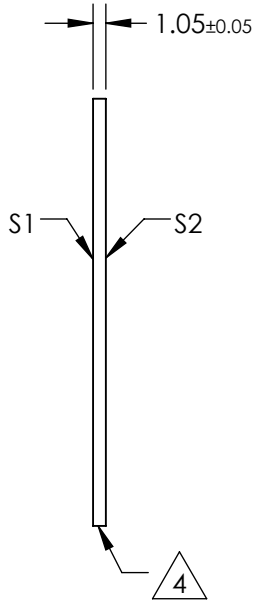
   S1: HARD COATED
   S2: SINGLE LAYER MgF2

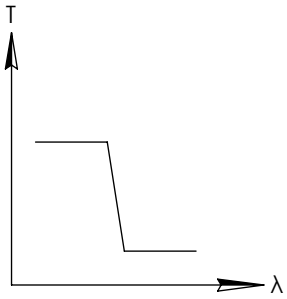
4. FINE GRIND SURFACE
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ
7. ROHS COMPLIANT

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING









SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	24.2 x 34.6	24.2 x 34.6
COATING APERTURE	24.2 x 34.6	24.2 x 34.6
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: 750nm, 25.2 x 35.6mm, Low GDD Dichroic Shortpass Ultrafast Filter

ALL DIMS IN: mm

DWG NO: 14014

SHEET 1 OF 1