

NOTES:

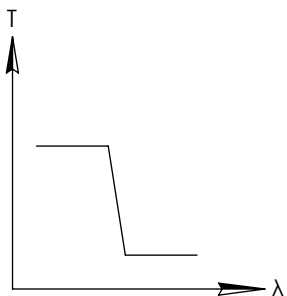
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
 PERFORMANCE SPECIFICATIONS:
 $T(\text{avg})$: >85% FROM 400 - 680nm FOR RANDOM POLARIZATION @ 45° AOI
 $T(\text{abs})$: >80% FROM 400 - 680nm FOR ALL POLARIZATIONS @ 45° AOI
 $R(\text{avg})$: >97% FROM 725 - 900nm FOR RANDOM POLARIZATION @ 45° AOI
 $R(\text{abs})$: >95% FROM 725 - 900nm FOR ALL POLARIZATIONS @ 45° AOI
 $T(\text{abs})$: = 50% 700nm @ 45° AOI

GDD: $80 \pm 20\text{fs}^2$ @ 450 - 680nm
 $120 \pm 80\text{fs}^2$ @ 400 - 680nm

S1: HARD COATED
 S2: SINGLE LAYER MgF2

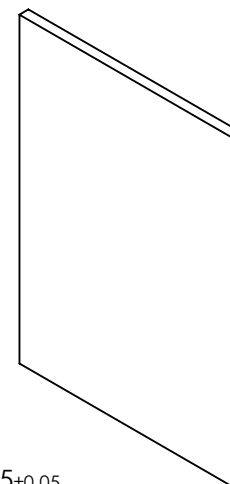
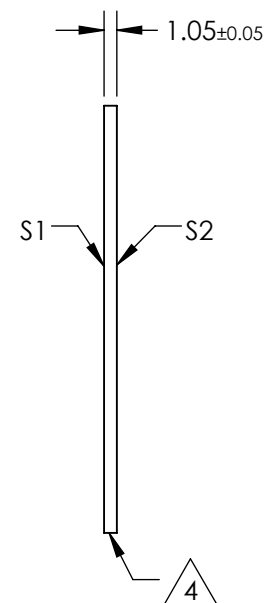
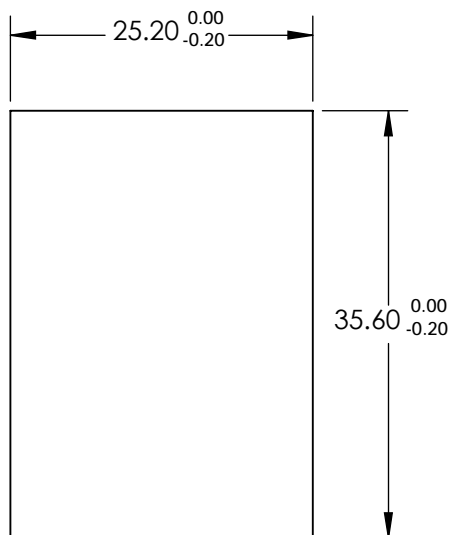
4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
 APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT



SHORTPASS FILTER

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

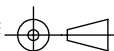


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE 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

700nm, 25.2 x 35.6mm, Low GDD Dichroic
 Shortpass Ultrafast Filter

ALL DIMS IN

mm

DWG NO

14013

SHEET
 1 OF 1