

NOTES:

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

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

PERFORMANCE SPECIFICATIONS:

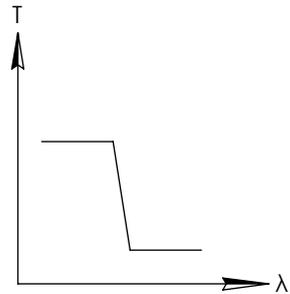
T(avg): >85% FROM 325 - 430nm FOR RANDOM POLARIZATION @ 45° AOI  
 T(abs): >80% FROM 325 - 430nm FOR ALL POLARIZATIONS @ 45° AOI  
 R(avg): >97% FROM 470 - 545nm FOR RANDOM POLARIZATION @ 45° AOI  
 R(abs): >95% FROM 470 - 545nm FOR ALL POLARIZATIONS @ 45° AOI  
 T(abs): = 50% 450nm @ 45° AOI

GDD:  $80 \pm 30\text{fs}^2$  @ 360 - 425nm  
 $120 \pm 80\text{fs}^2$  @ 325 - 480nm

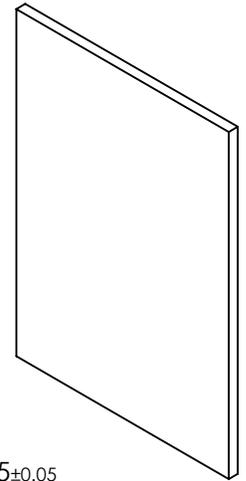
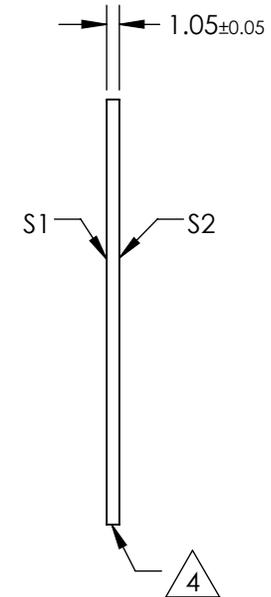
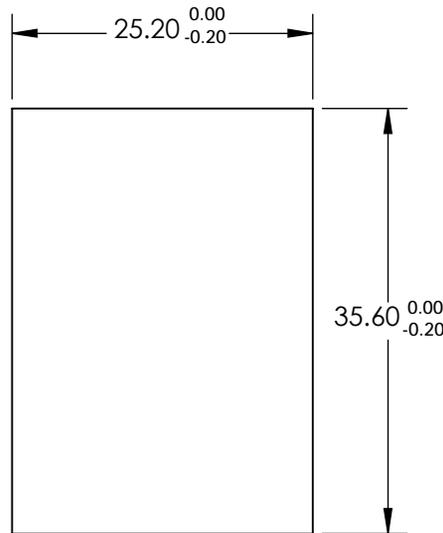
S1: HARD COATED  
 S2: SINGLE LAYER MgF2

 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

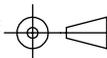


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
 DIMENSIONS ARE FOR REFERENCE ONLY

	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

450nm, 25.2 x 35.6mm, Low GDD Dichroic Shortpass Ultrafast Filter

ALL DIMS IN

mm

DWG NO

14008

SHEET  
1 OF 1