

NOTES:

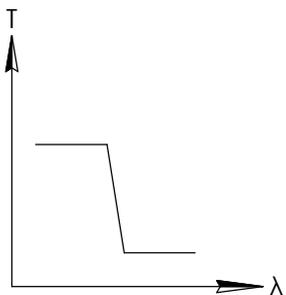
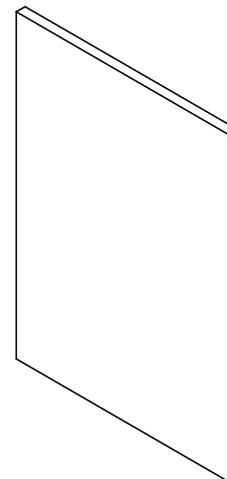
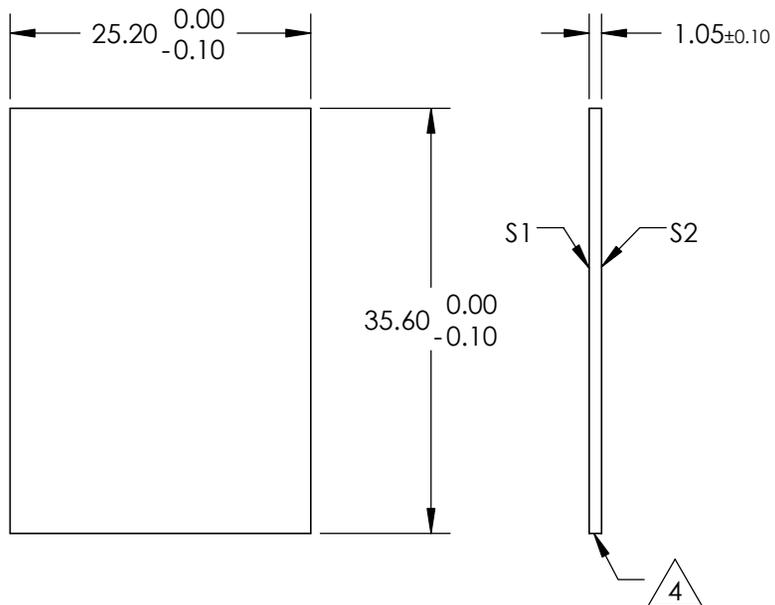
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
ENVIRONMENTAL DURABILITY:  
PHYSICAL DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg): >85% FROM 325 - 385nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 325 - 385nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 420 - 485nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 420 - 485nm FOR ALL POLARIZATIONS @ 45° AOI  
T(abs): = 50% 400nm @ 45° AOI

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

THIRD ANGLE  
PROJECTION



ALL DIMS IN

mm

 **Edmund Optics®**

TITLE 25.2 x 35.6mm, 400nm DICHROIC SHORTPASS FILTER

DWG NO 69212

SHEET  
1 OF 1

NOTES:

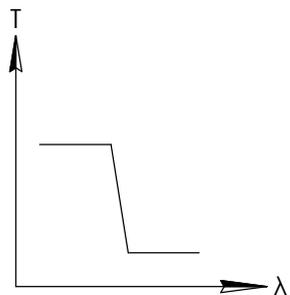
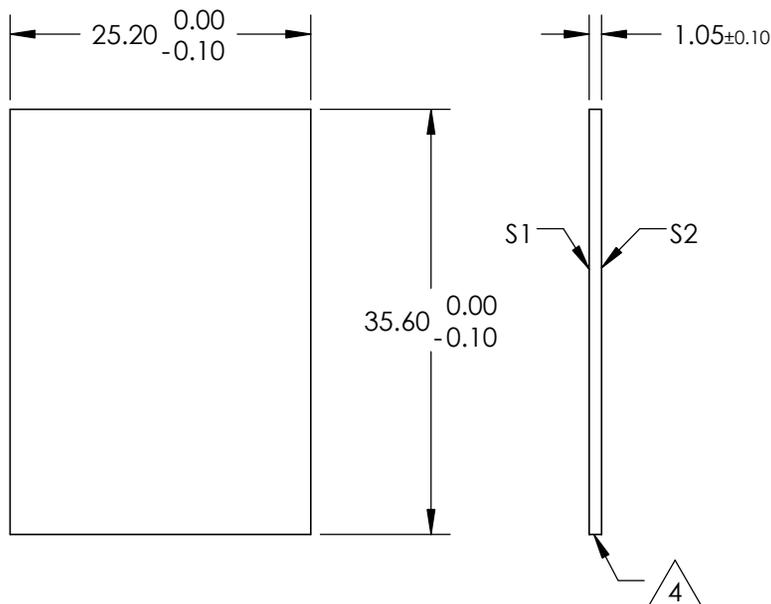
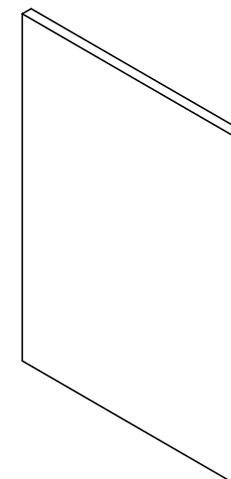
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

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

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	25.2 x 35.6mm, 450nm DICHROIC SHORTPASS FILTER
DWG NO	69213
SHEET	1 OF 1

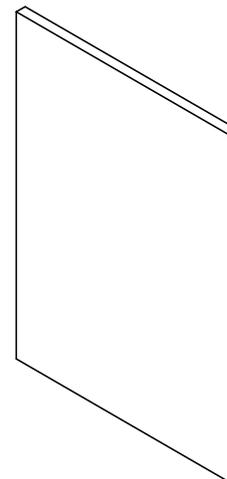
ALL DIMS IN

mm

NOTES:

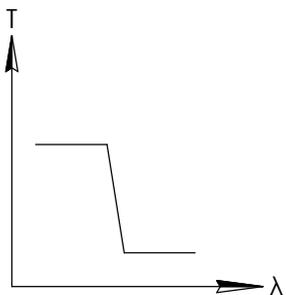
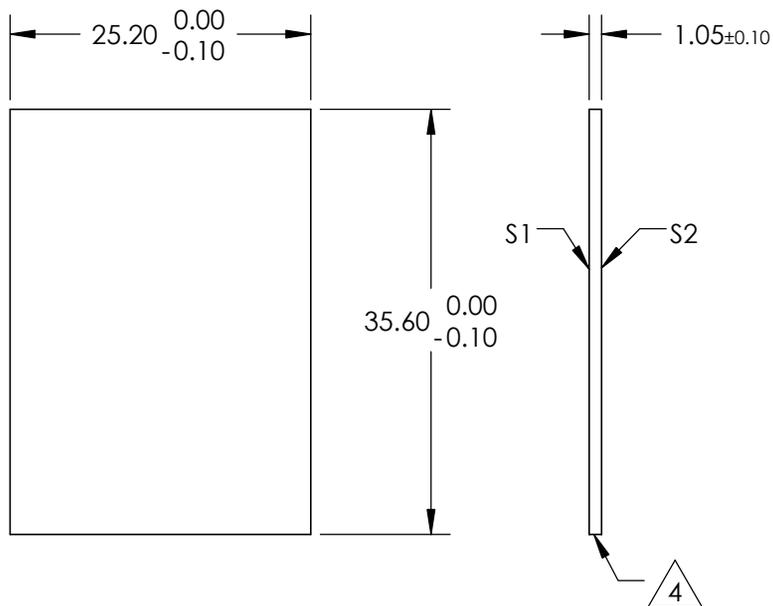
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
ENVIRONMENTAL DURABILITY:  
PHYSICAL DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg): >85% FROM 325 - 480nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 325 - 480nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 520 - 610nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 520 - 610nm FOR ALL POLARIZATIONS @ 45° AOI  
T(abs): = 50% 500nm @ 45° AOI
- 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

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

THIRD ANGLE PROJECTION



ALL DIMS IN

mm

**EO**® Edmund Optics®

TITLE

25.2 x 35.6mm, 500nm DICHROIC SHORTPASS FILTER

DWG NO

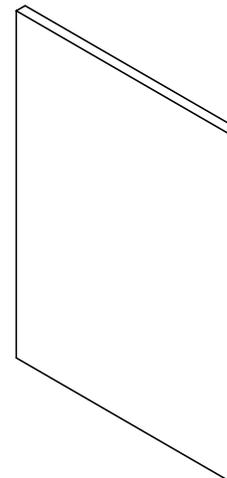
69214

SHEET  
1 OF 1

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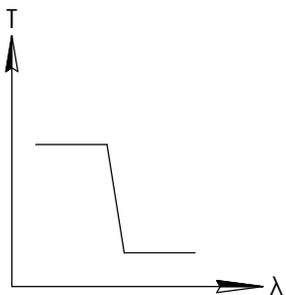
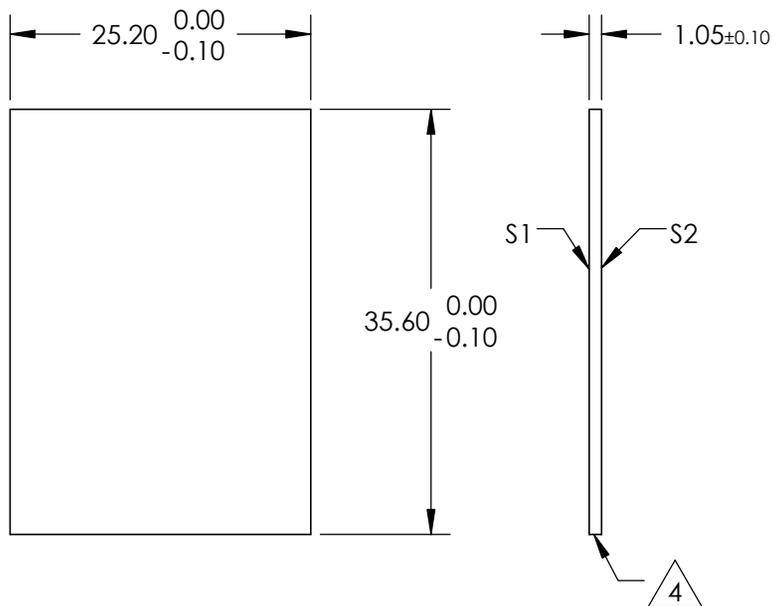
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
ENVIRONMENTAL DURABILITY:  
PHYSICAL DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg): >85% FROM 400 - 530nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 400 - 530nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 575 - 725nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 575 - 725nm FOR ALL POLARIZATIONS @ 45° AOI  
T(abs): = 50% 550nm @ 45° AOI
- 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

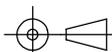


SHORTPASS FILTER

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

THIRD ANGLE PROJECTION



ALL DIMS IN

mm

**EO**® Edmund Optics®

TITLE

25.2 x 35.6mm, 550nm DICHROIC SHORTPASS FILTER

DWG NO

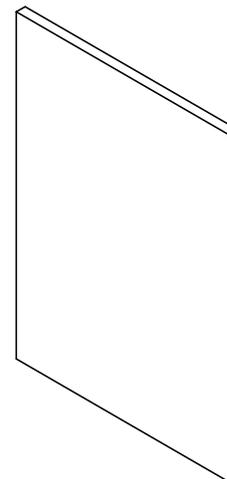
69215

SHEET  
1 OF 1

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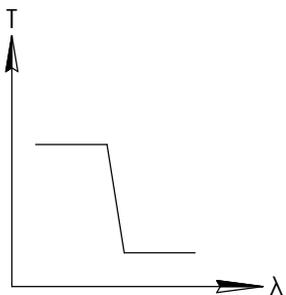
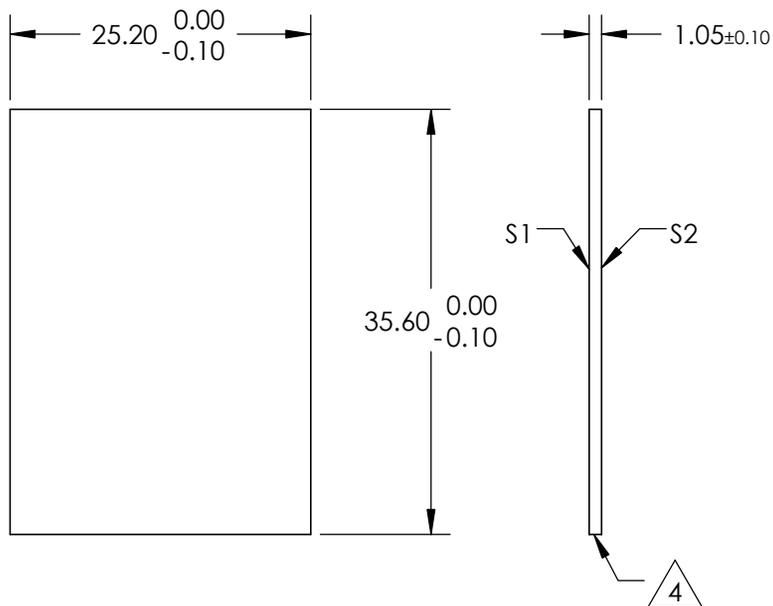
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
ENVIRONMENTAL DURABILITY:  
PHYSICAL DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg): >85% FROM 400 - 580nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 400 - 580nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 625 - 795nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 625 - 795nm FOR ALL POLARIZATIONS @ 45° AOI  
T(abs): = 50% 600nm @ 45° AOI
- 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

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

THIRD ANGLE PROJECTION



ALL DIMS IN

mm

**EO**® Edmund Optics®

TITLE 25.2 x 35.6mm, 600nm DICHROIC SHORTPASS FILTER

DWG NO 69216

SHEET 1 OF 1

NOTES:

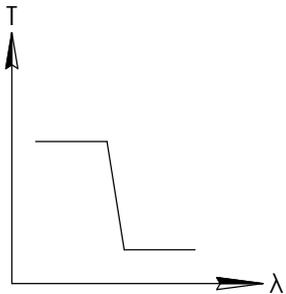
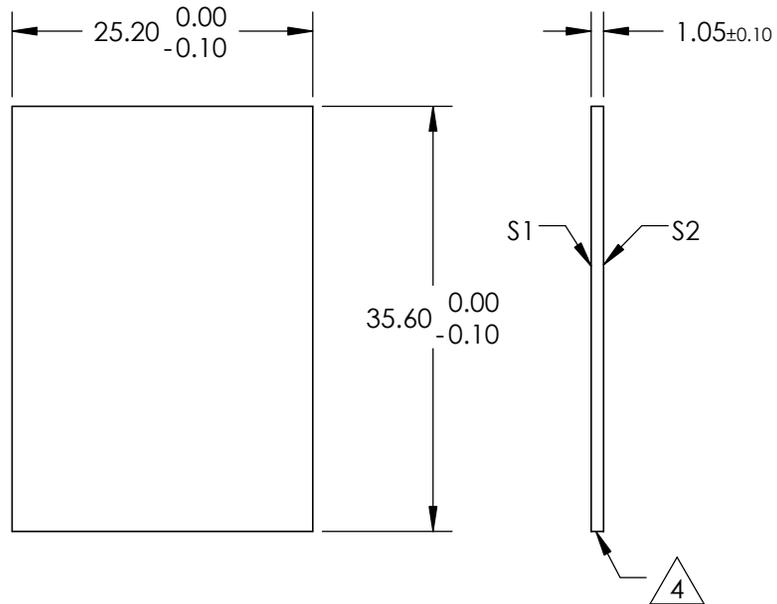
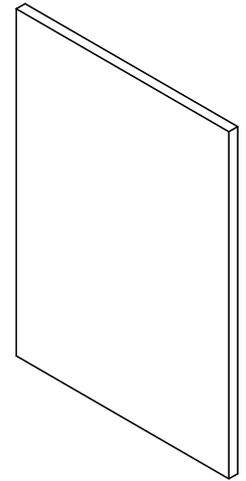
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
ENVIRONMENTAL DURABILITY:  
PHYSICAL DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg): >85% FROM 400 - 630nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 400 - 630nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 675 - 850nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 675 - 850nm FOR ALL POLARIZATIONS @ 45° AOI  
T(abs): = 50% 650nm @ 45° AOI

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

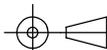


SHORTPASS FILTER

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

THIRD ANGLE  
PROJECTION



ALL DIMS IN

mm

**EO**® Edmund Optics®

TITLE

25.2 x 35.6mm, 650nm DICHROIC SHORTPASS  
FILTER

DWG NO

69217

SHEET  
1 OF 1

NOTES:

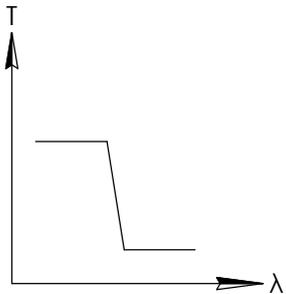
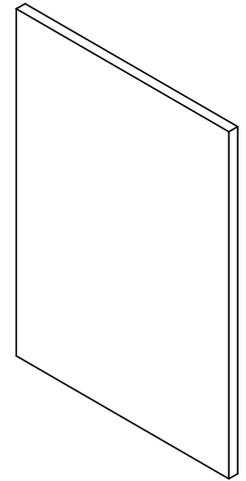
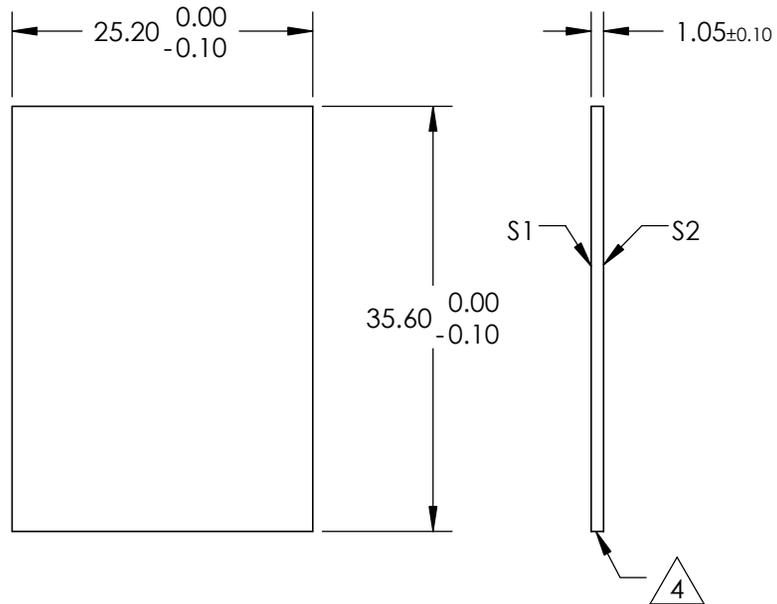
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

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

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

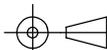


SHORTPASS FILTER

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

THIRD ANGLE PROJECTION



ALL DIMS IN

mm

 **Edmund Optics®**

TITLE

25.2 x 35.6mm, 700nm DICHROIC SHORTPASS FILTER

DWG NO

69218

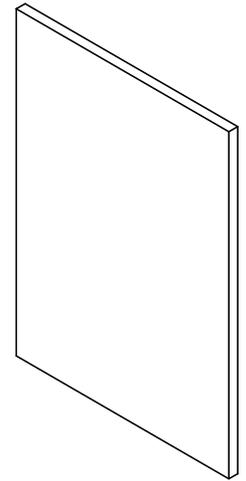
SHEET  
1 OF 1

NOTES:

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

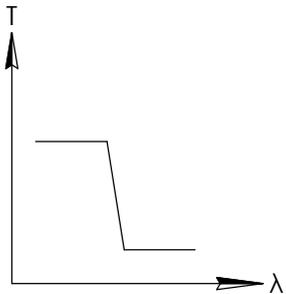
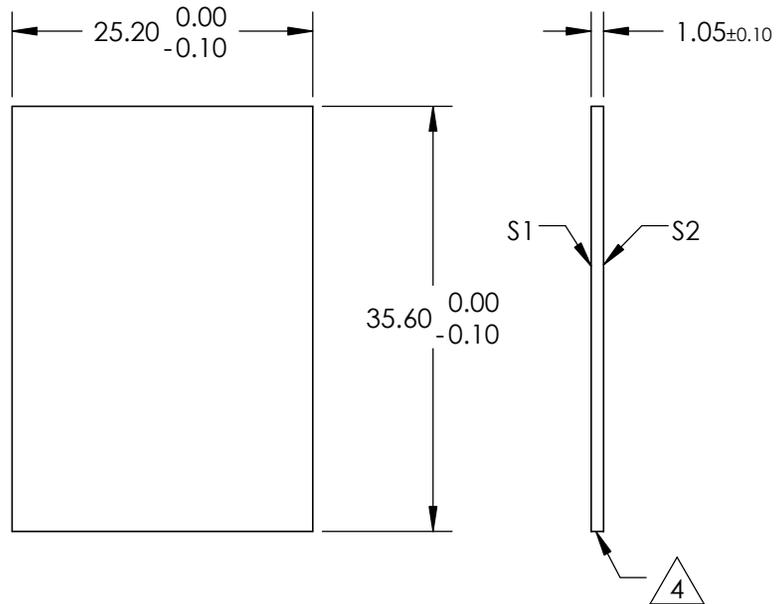
S1: HARD COATED  
 S2: SINGLE LAYER MgF2

FOR INFORMATION ONLY:  
 DO NOT MANUFACTURE  
 PARTS TO THIS DRAWING



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

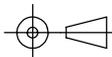


SHORTPASS FILTER

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

THIRD ANGLE PROJECTION



ALL DIMS IN

mm

**Edmund Optics®**

TITLE

25.2 x 35.6mm, 750nm DICHROIC SHORTPASS FILTER

DWG NO

69219

SHEET  
1 OF 1