

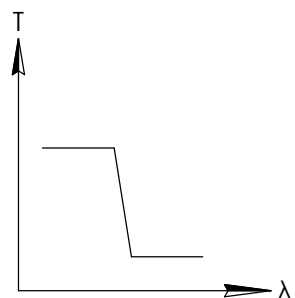
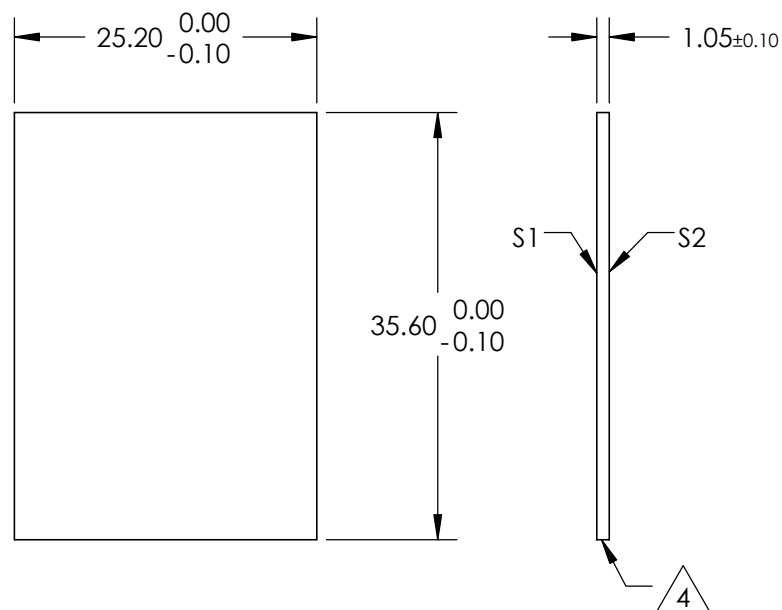
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

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 - 775nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 400 - 775nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 850 - 1050nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 850 - 1050nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 800nm @ 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



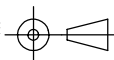
SHORTPASS FILTER

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

Edmund Optics®

THIRD ANGLE
PROJECTION



TITLE

25.2 x 35.6mm, 800nm DICHROIC SHORTPASS
FILTER

DWG NO

69220

ALL DIMS IN

mm

SHEET
1 OF 1

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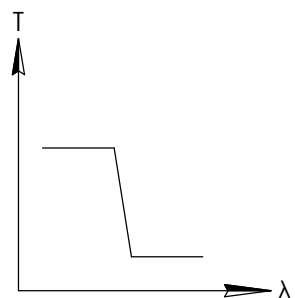
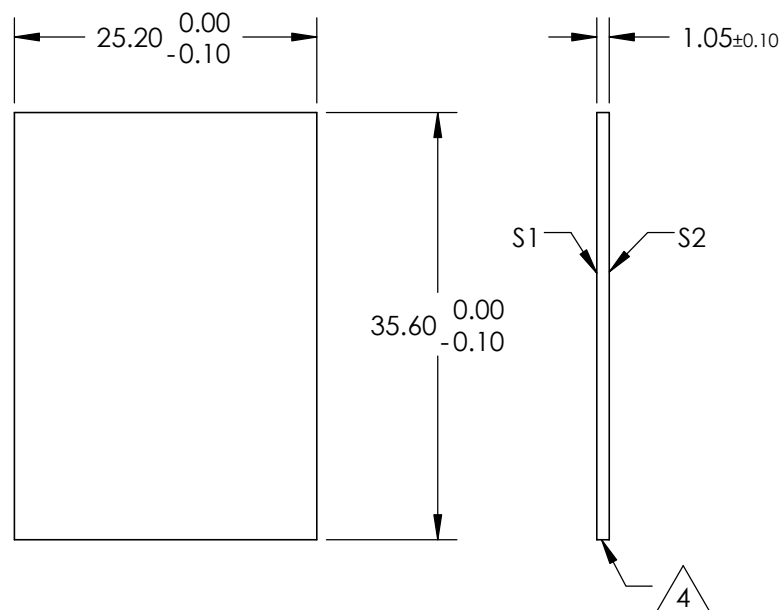
NOTES:

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 - 820nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 400 - 820nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 910 - 1110nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 910 - 1110nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 850nm @ 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



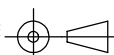
SHORTPASS FILTER

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

Edmund Optics®

THIRD ANGLE
PROJECTION



TITLE

25.2 x 35.6mm, 850nm DICHROIC SHORTPASS
FILTER

ALL DIMS IN

mm

DWG NO

69221

SHEET
1 OF 1

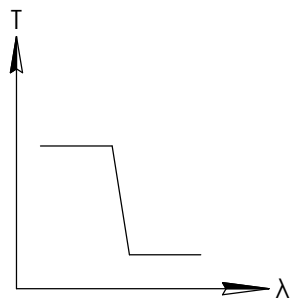
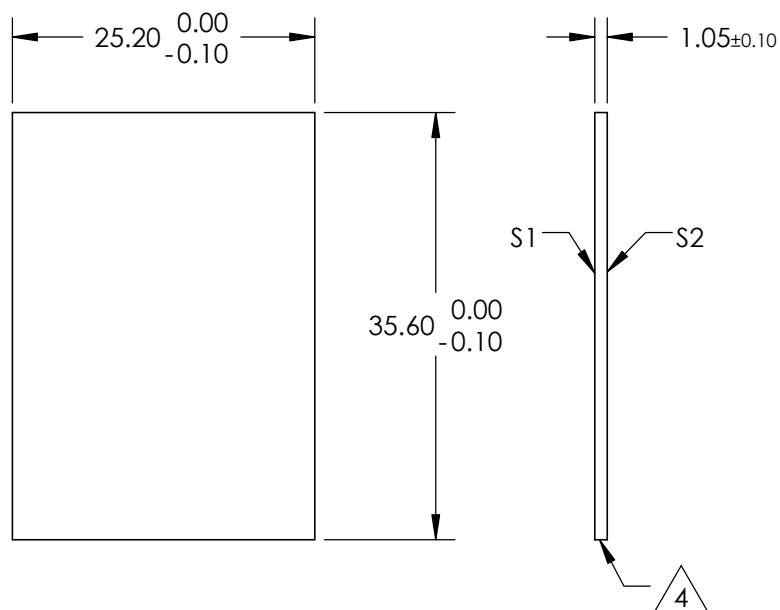
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PARTS TO THIS DRAWING**

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 465 - 865nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 465 - 865nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 960 - 1170nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 960 - 1170nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 900nm @ 45° AOI
- S1: HARD COATED
S2: SINGLE LAYER MgF2


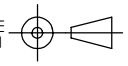
4. FINE GRIND SURFACE

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	TITLE 25.2 x 35.6mm, 900nm DICHROIC SHORTPASS FILTER			
COATING APERTURE	24.2 x 34.6	24.2 x 34.6				
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO 69222	SHEET 1 OF 1

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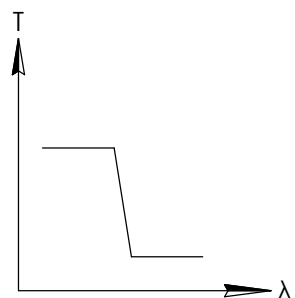
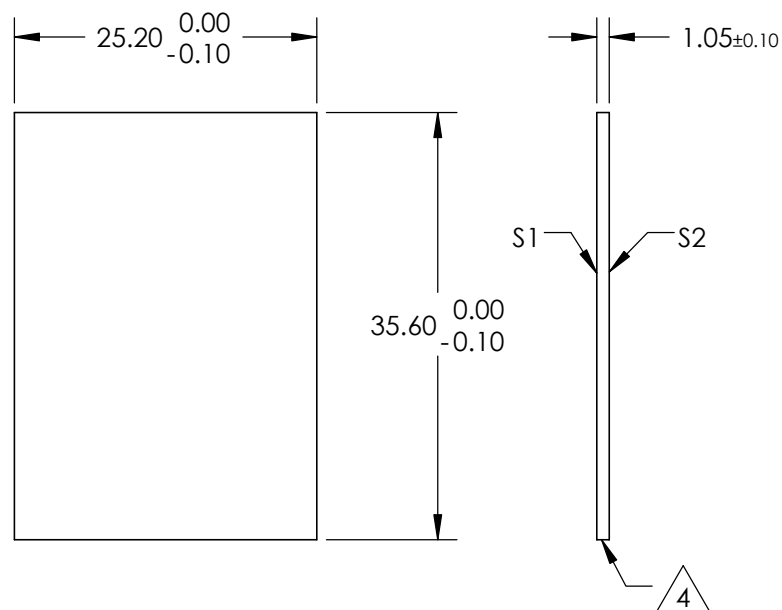
NOTES:

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 495 - 912nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 495 - 912nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 997 - 1235nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 997 - 1235nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 950nm @ 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



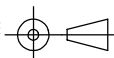
SHORTPASS FILTER

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

Edmund Optics®

THIRD ANGLE
PROJECTION



TITLE

25.2 x 35.6mm, 950nm DICHROIC SHORTPASS
FILTER

DWG NO

86694

ALL DIMS IN

mm

SHEET
1 OF 1

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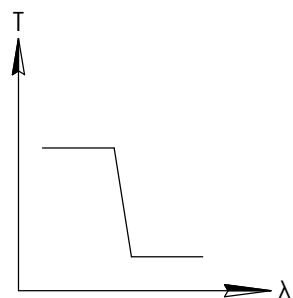
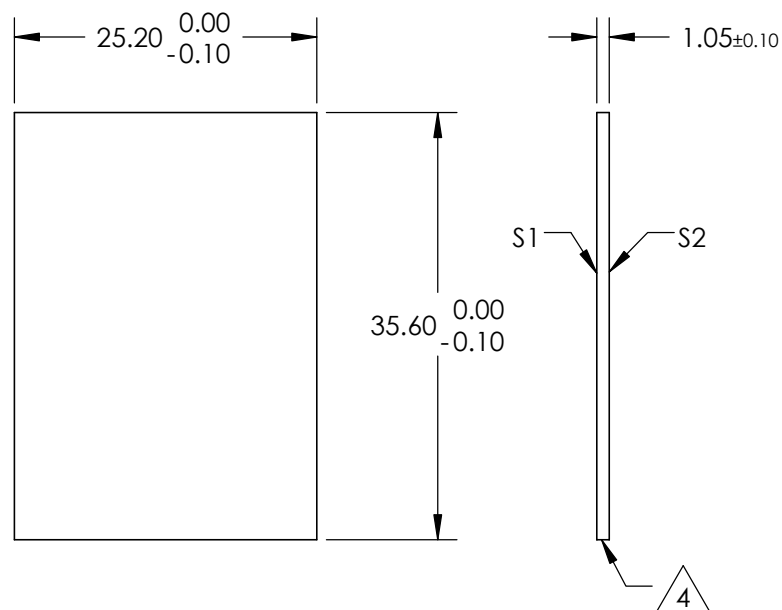
NOTES:

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 520 - 960nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 520 - 960nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 1050 - 1300nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 1050 - 1300nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1000nm @ 45° AOI

S1: HARD COATED
S2: SINGLE LAYER MgF2


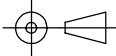
4. FINE GRIND SURFACE

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	TITLE			
COATING APERTURE	24.2 x 34.6	24.2 x 34.6				
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	86695
					25.2 x 35.6mm, 1000nm DICHROIC SHORTPASS FILTER	
					SHEET	1 OF 1

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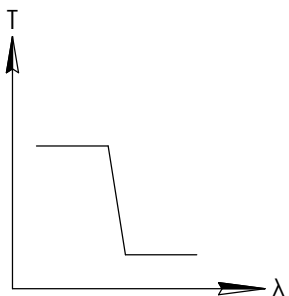
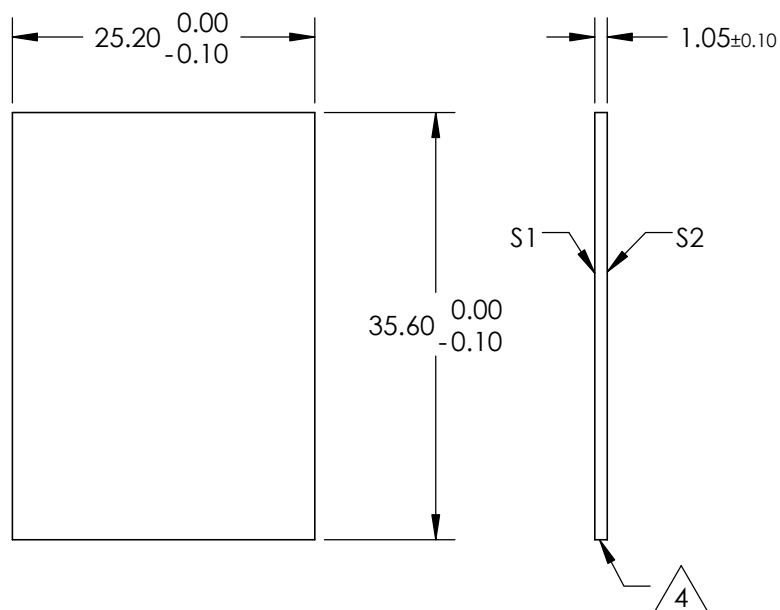
NOTES:

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 546 - 1008nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 546 - 1008nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 1102 - 1365nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 1102 - 1365nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1050nm @ 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



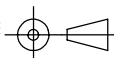
SHORTPASS FILTER

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

Edmund Optics®

THIRD ANGLE
PROJECTION



TITLE

25.2 x 35.6mm, 1050nm DICHROIC SHORTPASS
FILTER

DWG NO

86696

ALL DIMS IN

mm

SHEET
1 OF 1

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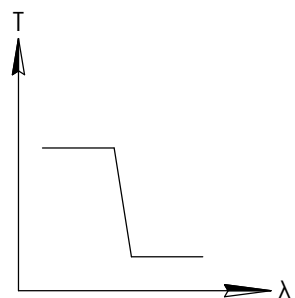
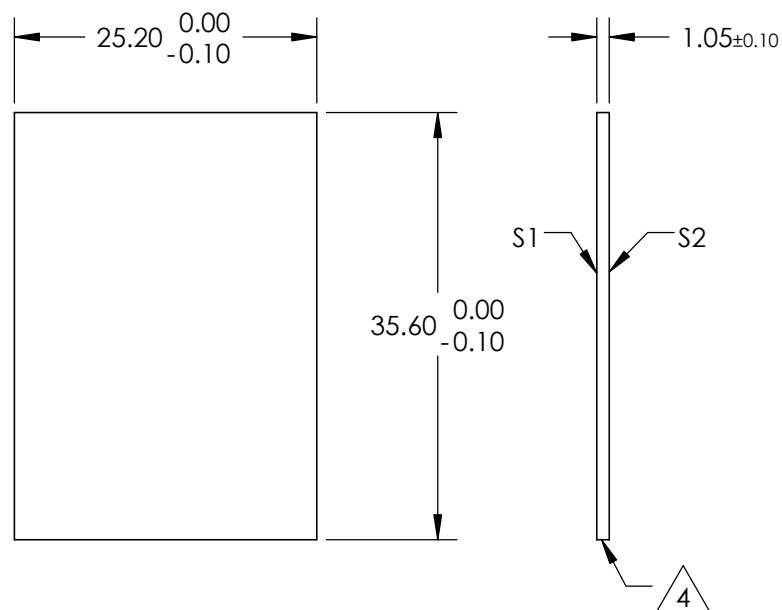
NOTES:

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 572 - 1056nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 572 - 1056nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 1155 - 1430nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 1155 - 1430nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1100nm @ 45° AOI

S1: HARD COATED
S2: SINGLE LAYER MgF2


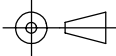
4. FINE GRIND SURFACE

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	ALL DIMS IN	mm	TITLE	25.2 x 35.6mm, 1100nm DICHROIC SHORTPASS FILTER
COATING APERTURE	24.2 x 34.6	24.2 x 34.6			DWG NO	86697
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED				SHEET 1 OF 1

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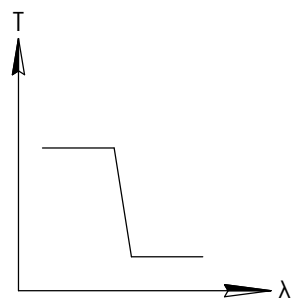
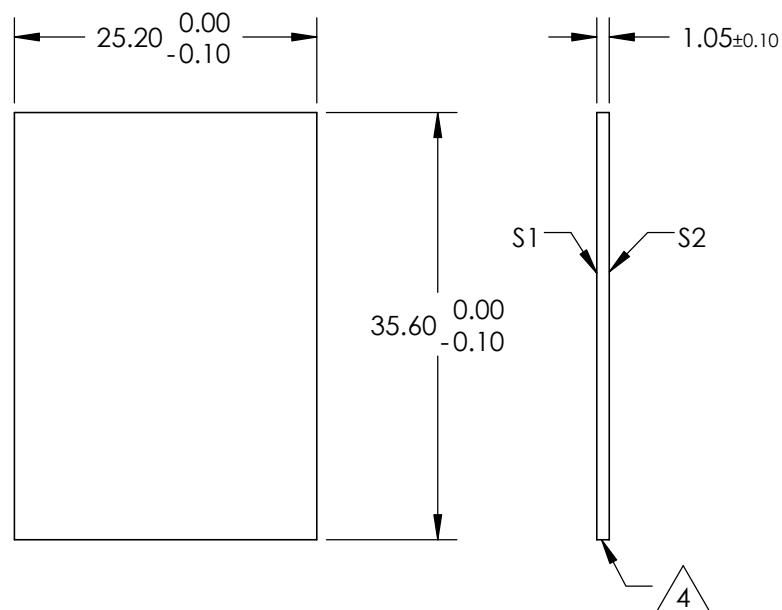
NOTES:

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 598 - 1104nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 598 - 1104nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 1207 - 1495nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 1207 - 1495nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1150nm @ 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	 Edmund Optics®				
SHAPE	PLANO	PLANO			TITLE	25.2 x 35.6mm, 1150nm DICHROIC SHORTPASS FILTER	
SURFACE QUALITY	40-20	40-20			DWG NO	86698	SHEET 1 OF 1
CLEAR APERTURE	24.2 x 34.6	24.2 x 34.6			ALL DIMS IN	mm	
COATING APERTURE	24.2 x 34.6	24.2 x 34.6					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

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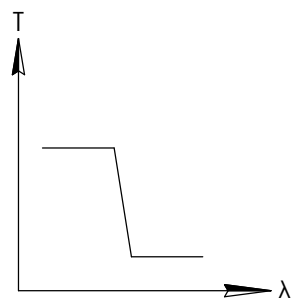
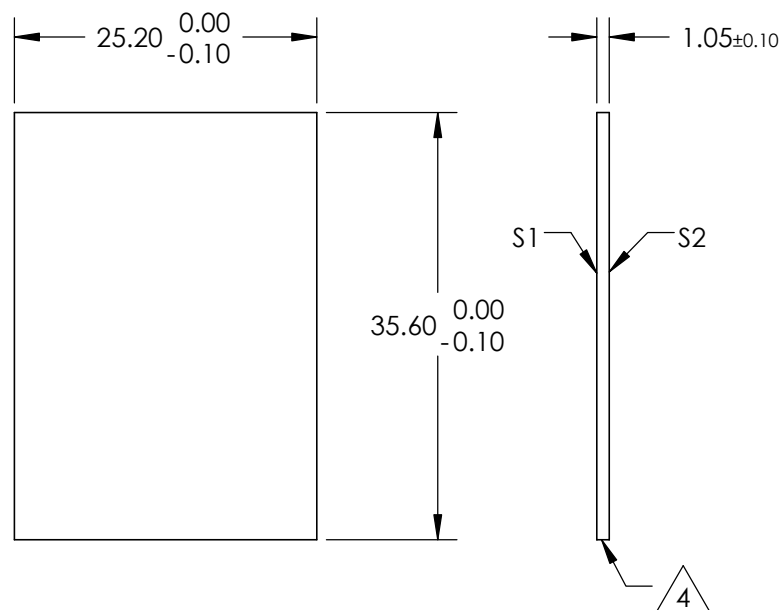
NOTES:

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 624 - 1152nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 624 - 1152nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 1260 - 1560nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 1260 - 1560nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1200nm @ 45° AOI

S1: HARD COATED
S2: SINGLE LAYER MgF2


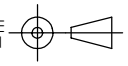
4. FINE GRIND SURFACE

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	TITLE 25.2 x 35.6mm, 1200nm DICHROIC SHORTPASS FILTER			
COATING APERTURE	24.2 x 34.6	24.2 x 34.6				
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO 86699	SHEET 1 OF 1