

**FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING**

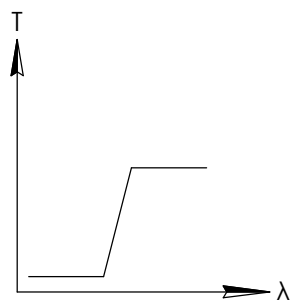
NOTES:

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 830 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 830 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 600 - 760nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 600 - 760nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 800nm @ 45° AOI

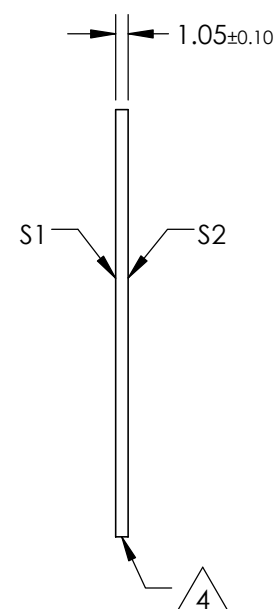
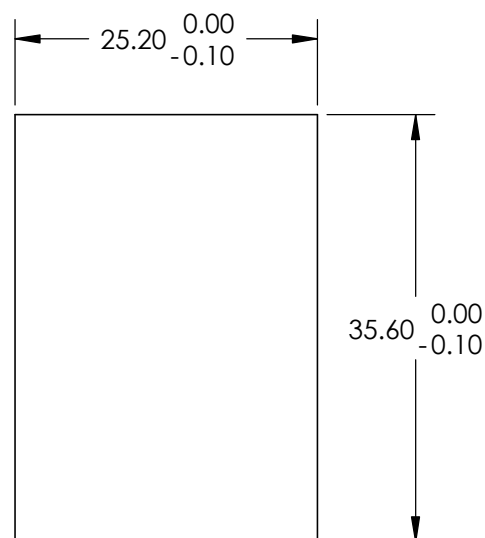
S1: HARD COATED
S2: SINGLE LAYER MgF2

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



LONGPASS FILTER

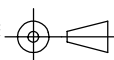


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	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



ALL DIMS IN

mm

TITLE

25.2 x 35.6mm, 800nm DICHROIC LONGPASS
FILTER

DWG NO

69905

SHEET
1 OF 1

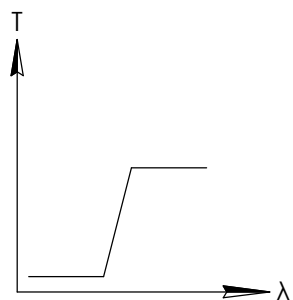
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NOTES:

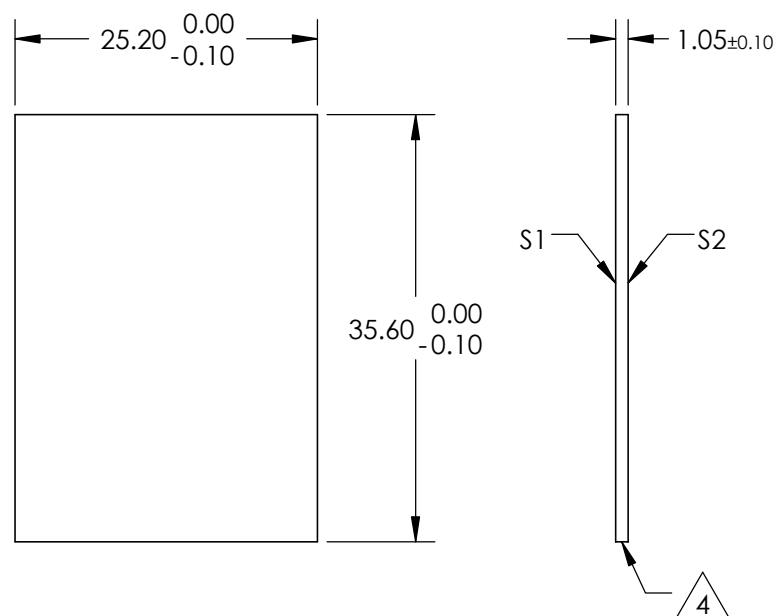
1. SUBSTRATE
 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
 3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 880 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 880 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 635 - 805nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 635 - 805nm 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



LONGPASS FILTER

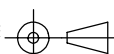


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	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



ALL DIMS IN

mm

TITLE

25.2 x 35.6mm, 850nm DICHROIC LONGPASS
FILTER

DWG NO

69906

SHEET
1 OF 1

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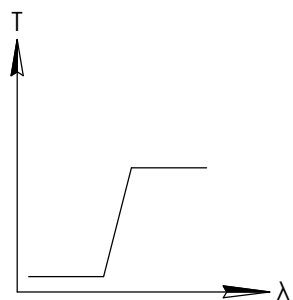
NOTES:

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 935 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 935 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 675 - 855nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 675 - 855nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 900nm @ 45° AOI

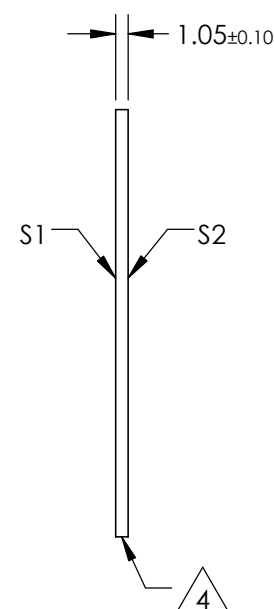
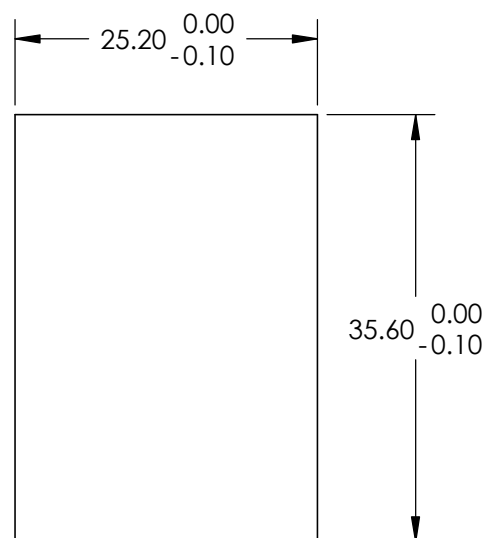
S1: HARD COATED
S2: SINGLE LAYER MgF2

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



LONGPASS 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®



ALL DIMS IN mm

TITLE

25.2 x 35.6mm, 900nm DICHROIC LONGPASS
FILTER

DWG NO

69907

SHEET
1 OF 1

**FOR INFORMATION ONLY:
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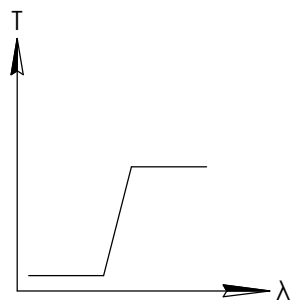
NOTES:

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 985 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 985 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 715 - 900nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 715 - 900nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 950nm @ 45° AOI

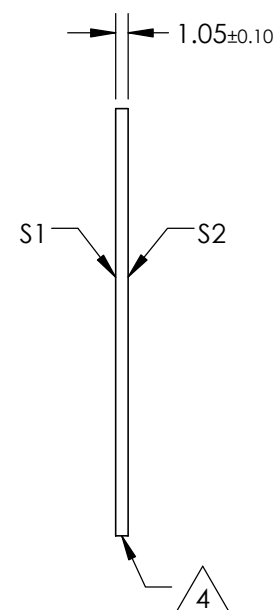
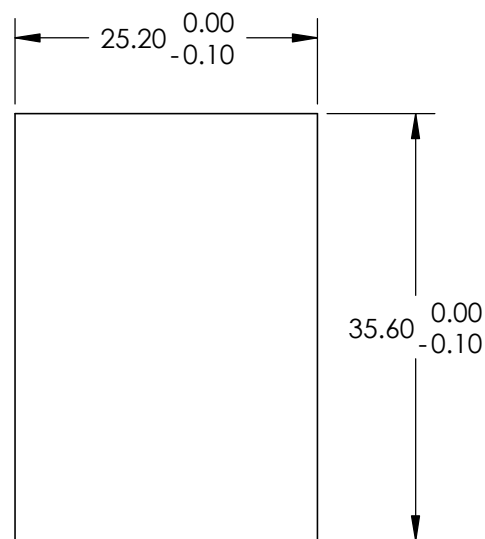
S1: HARD COATED
S2: SINGLE LAYER MgF2

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



LONGPASS 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®



ALL DIMS IN mm

TITLE

25.2 x 35.6mm, 950nm DICHROIC LONGPASS
FILTER

DWG NO

87045

SHEET
1 OF 1

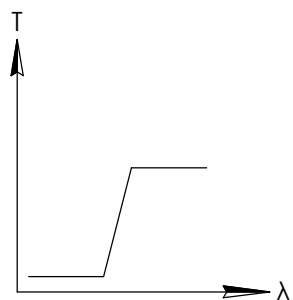
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NOTES:

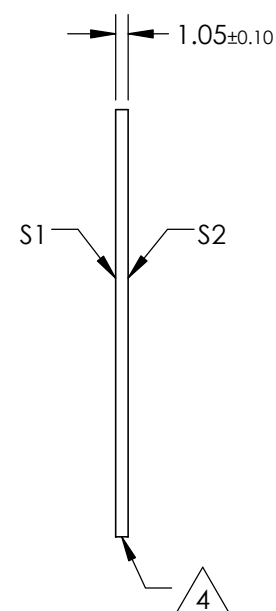
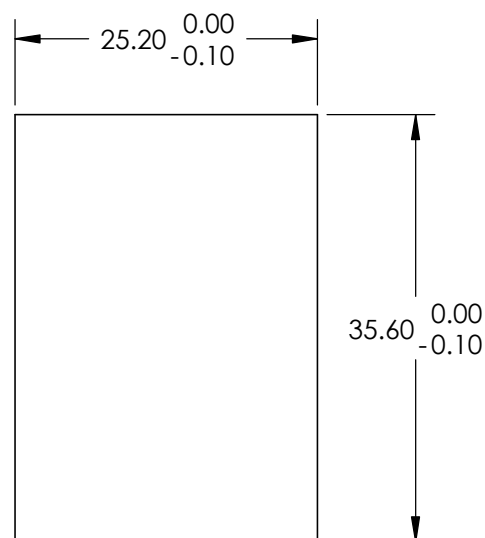
1. SUBSTRATE
 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
 3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 1035 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 1035 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 750 - 950nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 750 - 950nm 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



LONGPASS FILTER

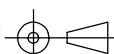


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	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	24.2 x 34.6	24.2 x 34.6
COATING APERTURE	24.2 x 34.6	24.2 x 34.6
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

Edmund Optics®

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

25.2 x 35.6mm, 1000nm DICHROIC LONGPASS
FILTER

DWG NO

87046

SHEET
1 OF 1

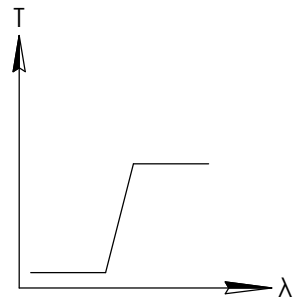
NOTES:

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 1085 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 1085 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 790 - 1000nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 790 - 1000nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1050nm @ 45° AOI

S1: HARD COATED
S2: SINGLE LAYER MgF2

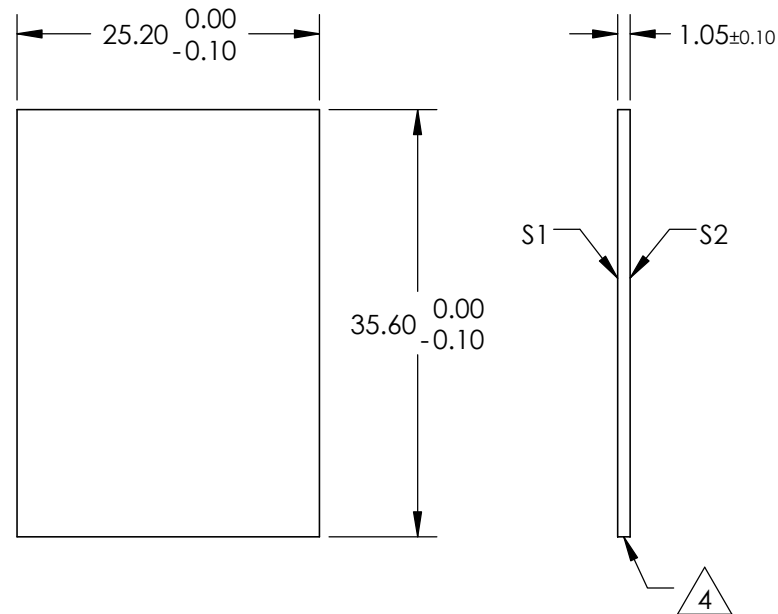
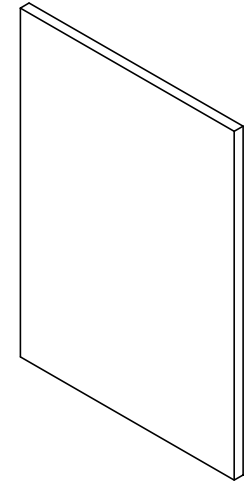
4. FINE GRIND SURFACE

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



LONGPASS FILTER

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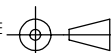


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
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	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	24.2 x 34.6	24.2 x 34.6
COATING APERTURE	24.2 x 34.6	24.2 x 34.6
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

Edmund Optics®

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

25.2 x 35.6mm, 1050nm DICHROIC LONGPASS
FILTER

DWG NO

87047

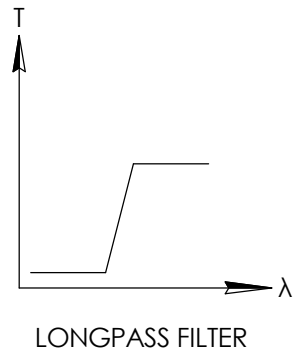
SHEET
1 OF 1

NOTES:

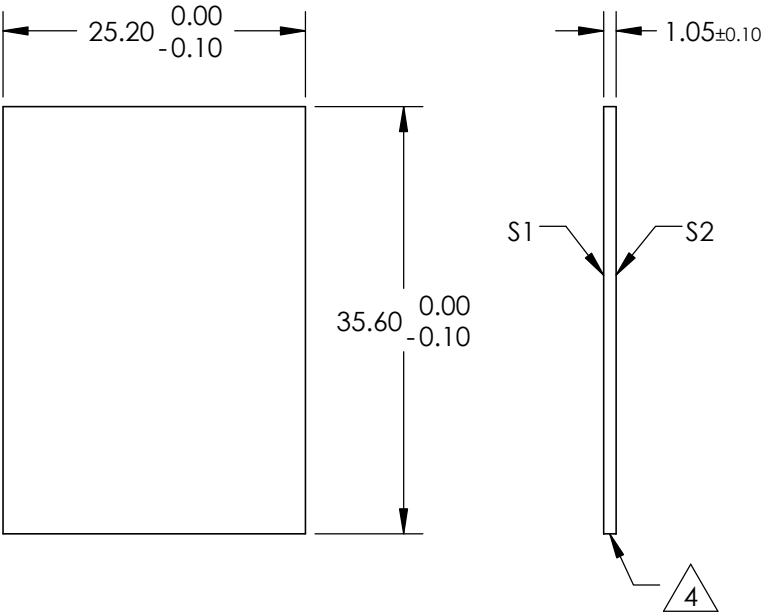
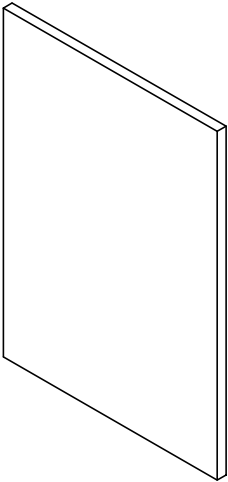
1. SUBSTRATE
 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
 3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 1135 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 1135 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 825 - 1045nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 825 - 1045nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1100nm @ 45° AOI
- S1: HARD COATED
S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE


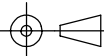
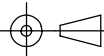
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT



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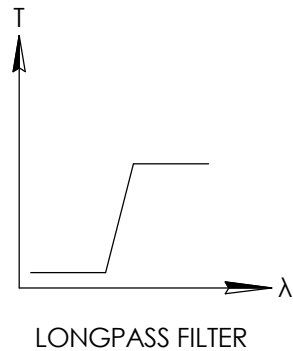
	S1	S2	 Edmund Optics®				
SHAPE	PLANO	PLANO					
SURFACE QUALITY	40-20	40-20					
CLEAR APERTURE	24.2 x 34.6	24.2 x 34.6	THIRD ANGLE PROJECTION		TITLE	25.2 x 35.6mm, 1100nm DICHROIC LONGPASS FILTER	
COATING APERTURE	24.2 x 34.6	24.2 x 34.6			DWG NO	87048	SHEET 1 OF 1
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN		mm		

NOTES:

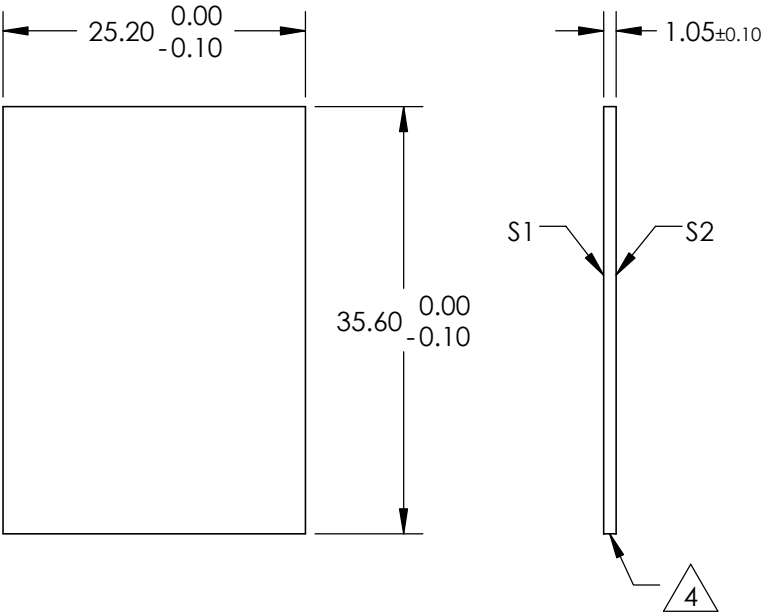
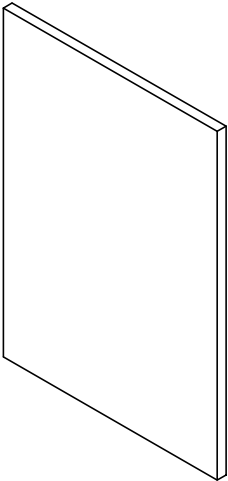
1. SUBSTRATE
 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
 3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 1190 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 1190 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 875 - 1095nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 875 - 1095nm 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



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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®



ALL DIMS IN

mm

TITLE

25.2 x 35.6mm, 1150nm DICHROIC LONGPASS
FILTER

DWG NO

87049

SHEET
1 OF 1

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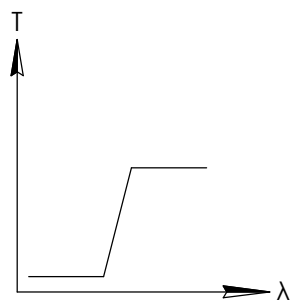
NOTES:

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 1240 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 1240 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 920 - 1160nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 920 - 1160nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1200nm @ 45° AOI

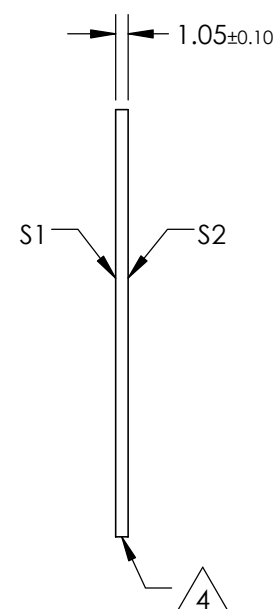
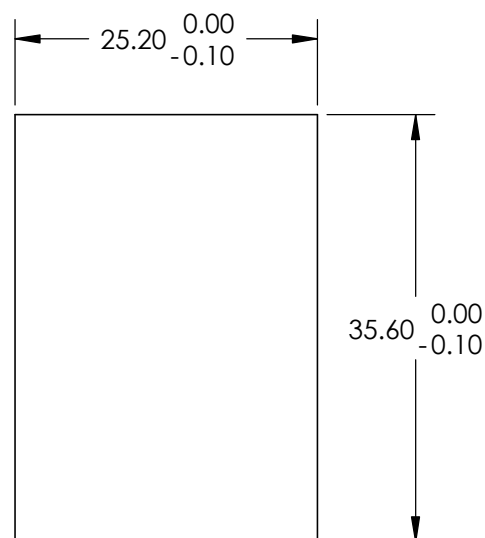
S1: HARD COATED
S2: SINGLE LAYER MgF2

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



LONGPASS FILTER

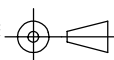


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	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



ALL DIMS IN

mm

TITLE

25.2 x 35.6mm, 1200nm DICHROIC LONGPASS
FILTER

DWG NO

87050

SHEET
1 OF 1