

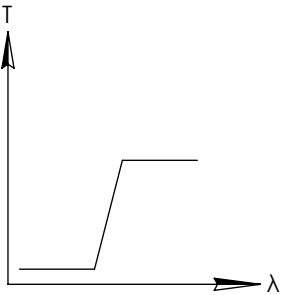
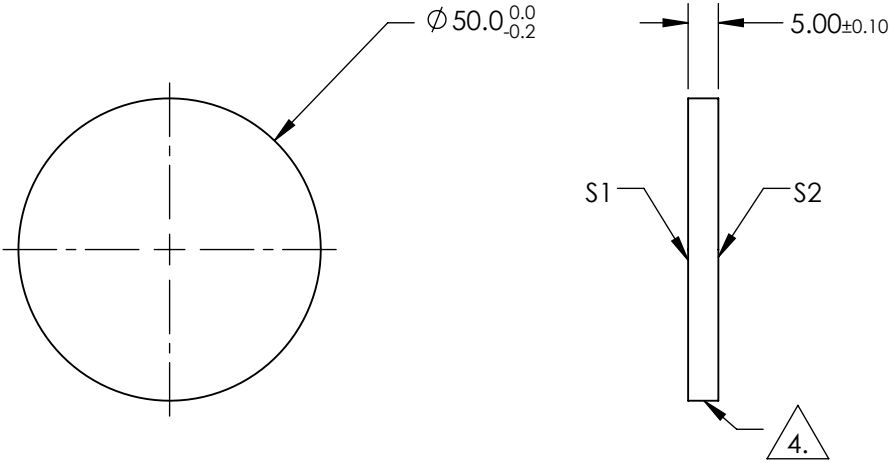
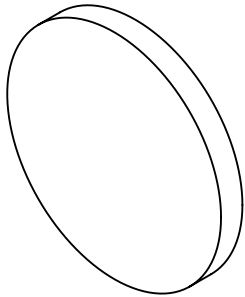
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 433 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 415nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 425 $\pm$ 4.25nm @ 0° AOI  
S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION

ALL DIMS IN mm

TITLE	Ø50mm, 425nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	84748	SHEET 1 OF 1	

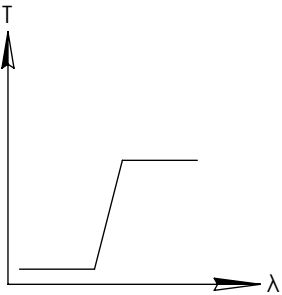
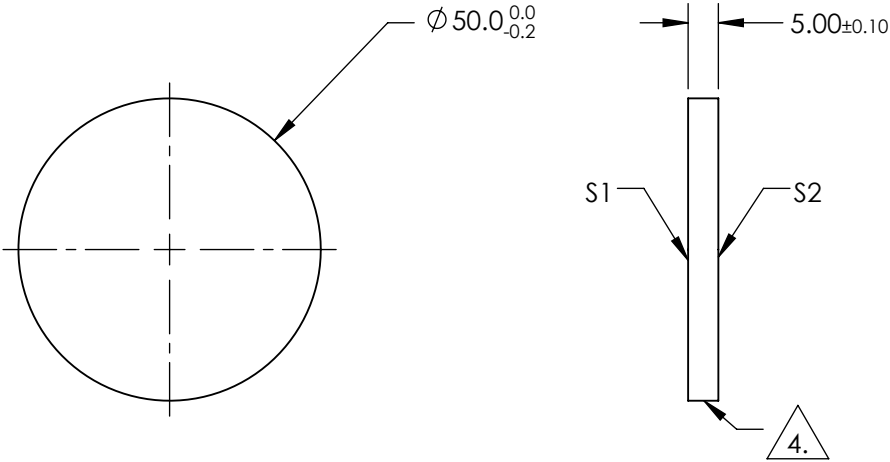
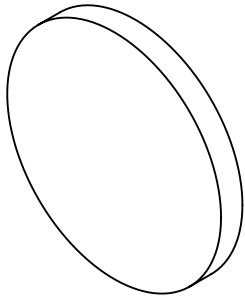
**FOR INFORMATION ONLY:  
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PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 483 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 465nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 475 $\pm$ 4.75nm @ 0° AOI  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

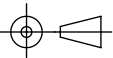
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT




LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION 

ALL DIMS IN mm

			
TITLE	Ø50mm, 475nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	84749	SHEET 1 OF 1	

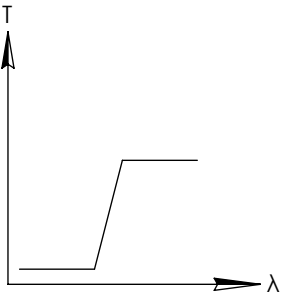
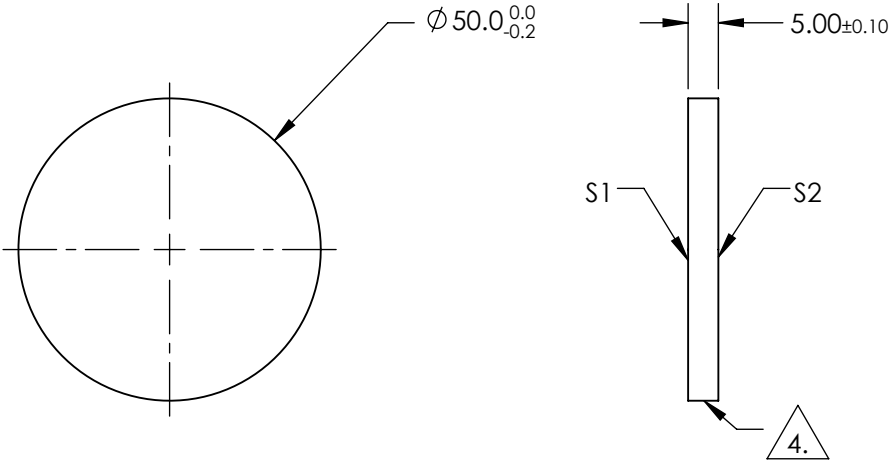
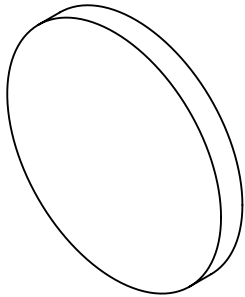
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 534 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 515nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 525 $\pm$ 5.25nm @ 0° AOI  
  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

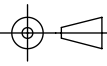

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION 			
TITLE		Ø50mm, 525nm, HIGH PERFORMANCE LONGPASS FILTER	
ALL DIMS IN	mm	DWG NO	84750
			SHEET 1 OF 1

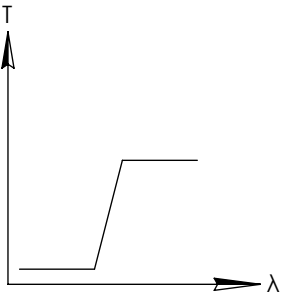
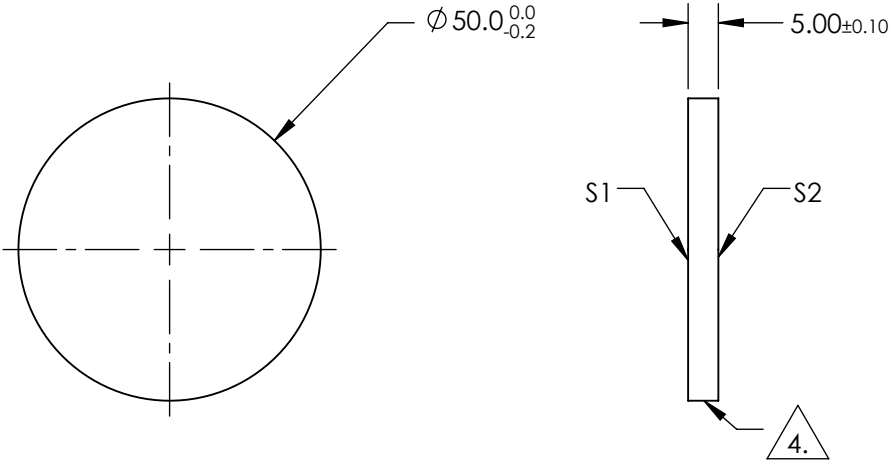
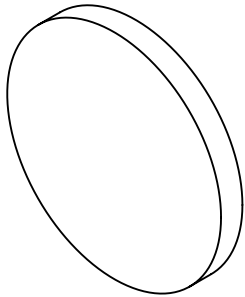
NOTES:

- 1. SUBSTRATE
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
- 3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg): ≥91% FROM 585 - 1650nm @ 0° AOI  
T(avg): ≤0.01% FROM 200 - 564nm @ 0° AOI  
T(abs): =50% FOR 575±5.75nm @ 0° AOI  
  
S2:SINGLE LAYER MgF2

4. FINE GRIND SURFACE

- 5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
- 6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
- 7. ROHS COMPLIANT

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



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION		Edmund Optics®	
ALL DIMS IN mm		TITLE	Ø50mm, 575nm, HIGH PERFORMANCE LONGPASS FILTER
DWG NO		84751	SHEET 1 OF 1

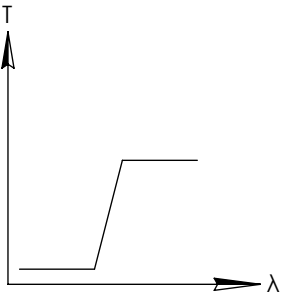
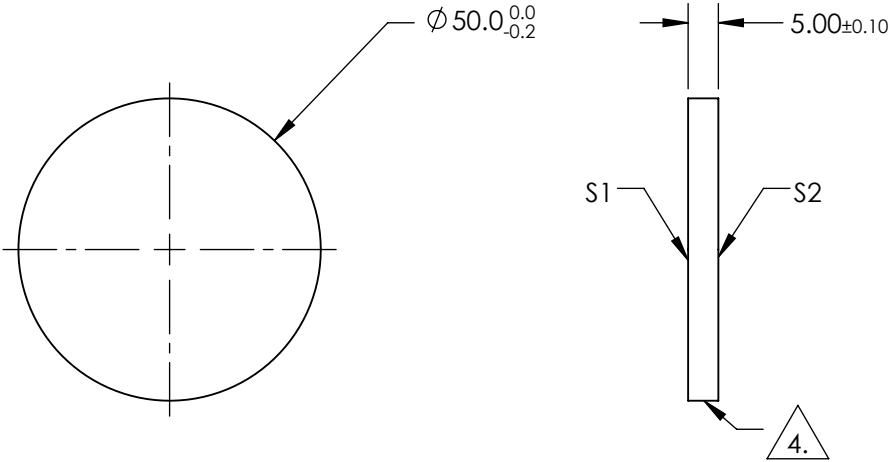
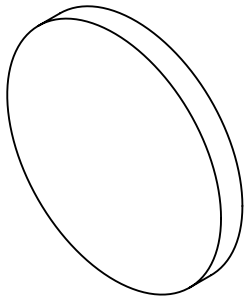
**FOR INFORMATION ONLY:  
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PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 635 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 613nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 625 $\pm$ 6.25nm @ 0° AOI  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED



ALL DIMS IN mm

**Edmund Optics®**

TITLE

Ø50mm, 625nm, HIGH PERFORMANCE  
LONGPASS FILTER

DWG NO

84752

SHEET  
1 OF 1

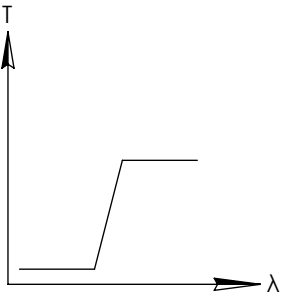
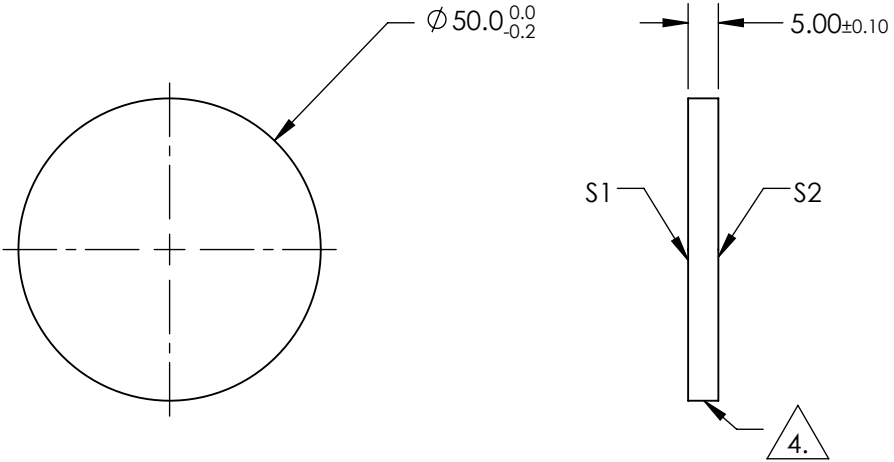
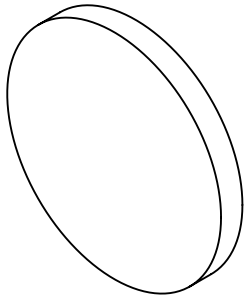
**FOR INFORMATION ONLY:  
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PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 685 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 662nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 675 $\pm$ 6.75nm @ 0° AOI  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

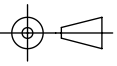

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION 			
TITLE		Ø50mm, 675nm, HIGH PERFORMANCE LONGPASS FILTER	
ALL DIMS IN	mm	DWG NO	84753
			SHEET 1 OF 1

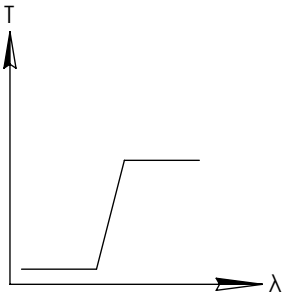
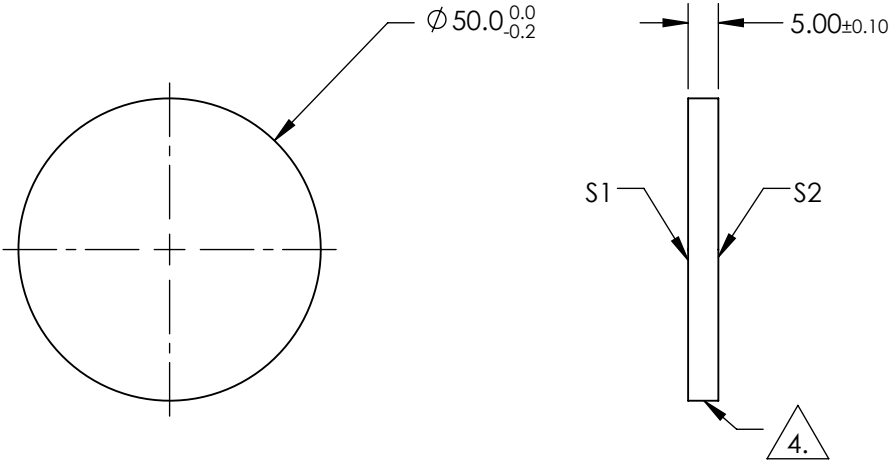
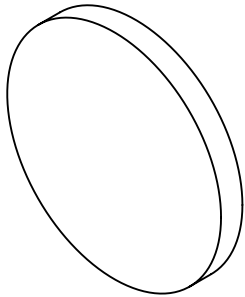
**FOR INFORMATION ONLY:  
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PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 408 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 390nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 400 $\pm$ 4nm @ 0° AOI  
  
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

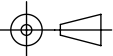
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT




LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION 

ALL DIMS IN mm

 <b>Edmund Optics®</b>			
TITLE	Ø50mm, 400nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	84754	SHEET 1 OF 1	

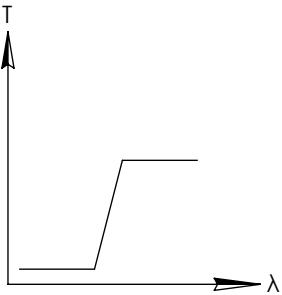
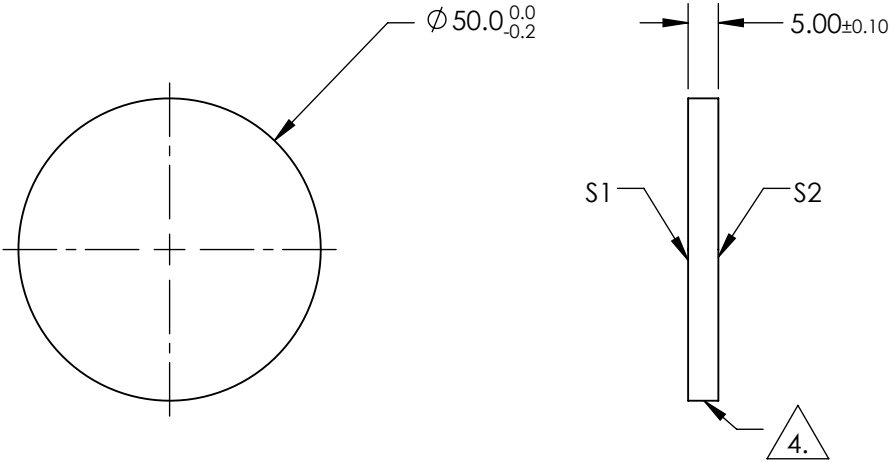
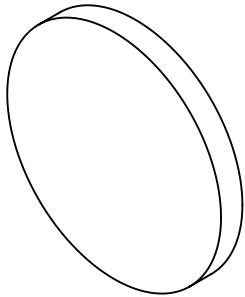
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NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 458 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 440nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 450 $\pm$ 4.5nm @ 0° AOI  
  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION	
ALL DIMS IN	mm

TITLE	Ø50mm, 450nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	84755	SHEET 1 OF 1	

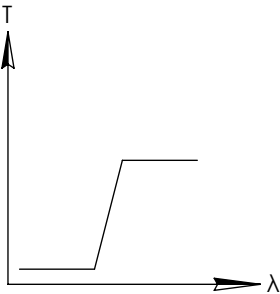
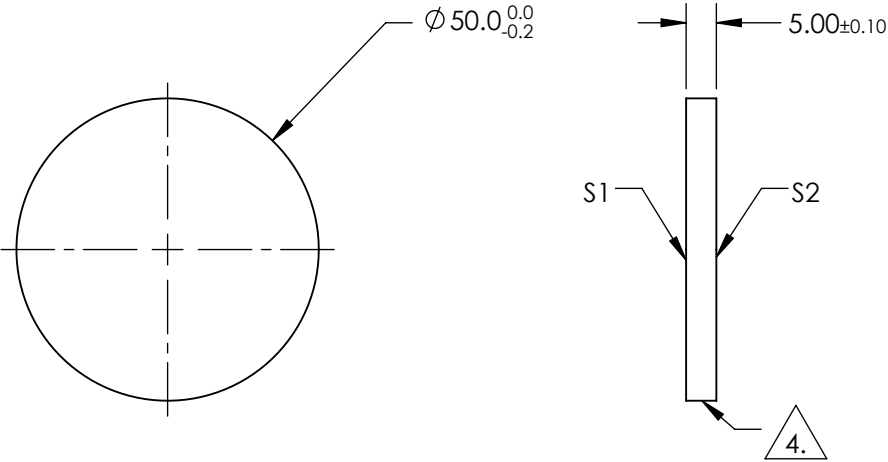
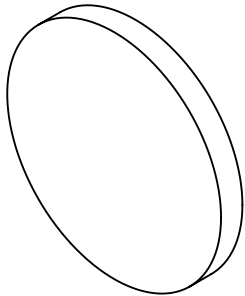
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PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 508 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 490nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 500 $\pm$ 5nm @ 0° AOI  
  
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

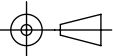
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT




LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION	
ALL DIMS IN	mm

 <b>Edmund Optics®</b>			
TITLE	Ø50mm, 500nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	84756	SHEET 1 OF 1	

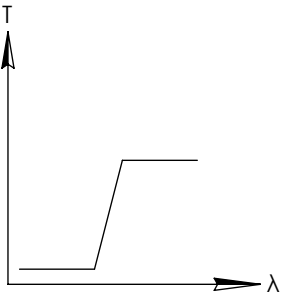
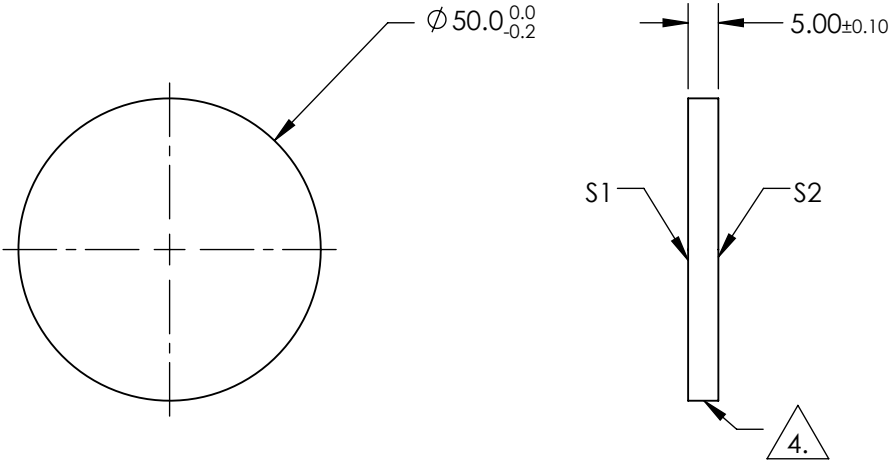
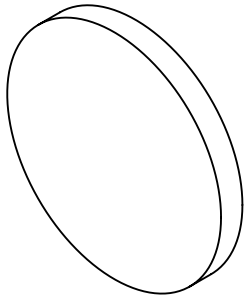
NOTES:

- 1. SUBSTRATE
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
- 3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg): ≥91% FROM 560 - 1650nm @ 0° AOI  
T(avg): ≤0.01% FROM 200 - 539nm @ 0° AOI  
T(abs): =50% FOR 550±5.5nm @ 0° AOI
- S2:SINGLE LAYER MgF2

4. FINE GRIND SURFACE

- 5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
- 6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
- 7. ROHS COMPLIANT

FOR INFORMATION ONLY:  
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PARTS TO THIS DRAWING



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

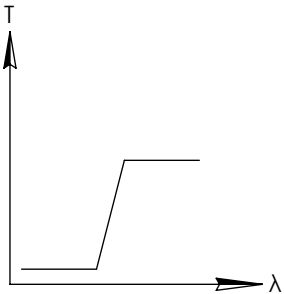
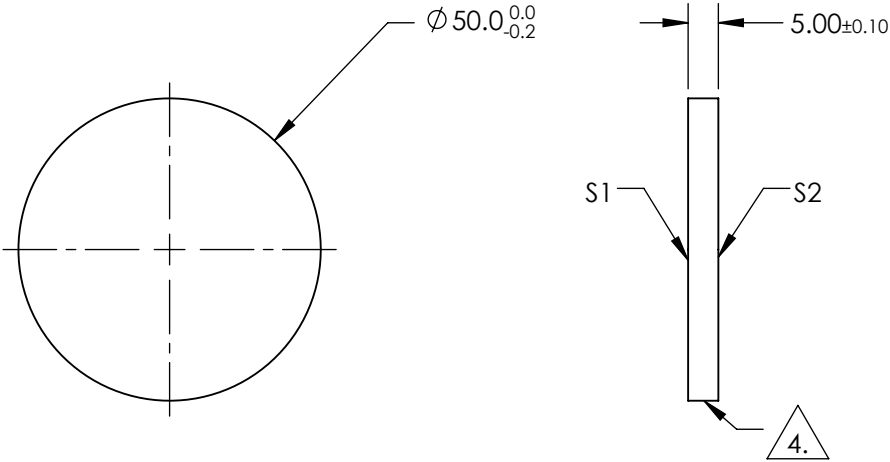
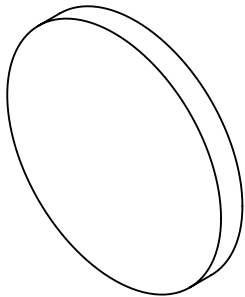
REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION		Edmund Optics®	
ALL DIMS IN mm		TITLE	Ø50mm, 550nm, HIGH PERFORMANCE LONGPASS FILTER
DWG NO		84757	SHEET 1 OF 1

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

NOTES:

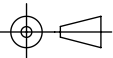
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg): ≥91% FROM 610 - 1650nm @ 0° AOI  
T(avg): ≤0.01% FROM 200 - 588nm @ 0° AOI  
T(abs): =50% FOR 600±6nm @ 0° AOI  
  
S2:SINGLE LAYER MgF2
4. FINE GRIND SURFACE
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
7. ROHS COMPLIANT




LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION 

ALL DIMS IN mm

			
TITLE	Ø50mm, 600nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	84758	SHEET 1 OF 1	

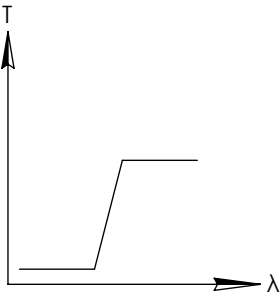
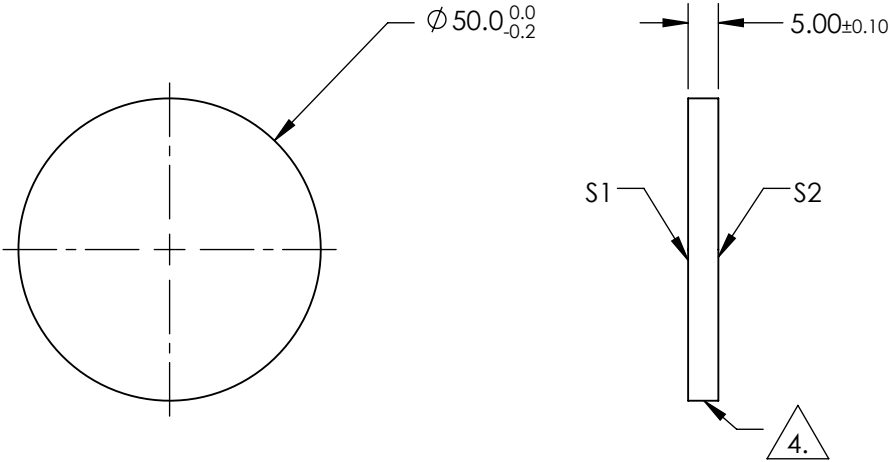
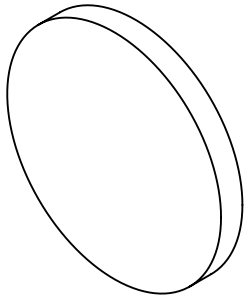
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 660 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 637nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 650 $\pm$ 6.5nm @ 0° AOI  
  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

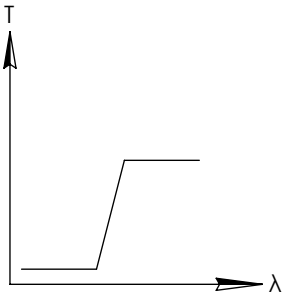
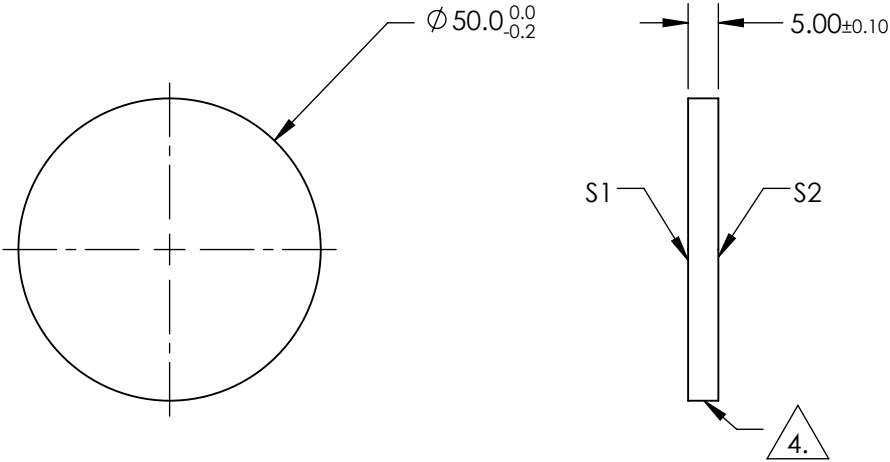
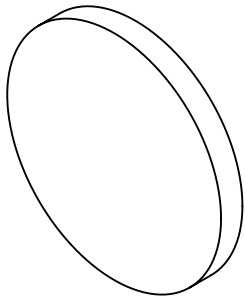
THIRD ANGLE PROJECTION	
ALL DIMS IN	mm

TITLE	Ø50mm, 650nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	84759	SHEET 1 OF 1	

**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)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg): ≥91% FROM 710 - 1650nm @ 0° AOI  
T(avg): ≤0.01% FROM 200 - 686nm @ 0° AOI  
T(abs): =50% FOR 700±7nm @ 0° AOI  
  
S2:SINGLE LAYER MgF2
4. FINE GRIND SURFACE
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION

ALL DIMS IN mm

TITLE	Ø50mm, 700nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	84760	SHEET 1 OF 1	

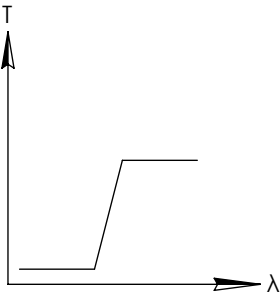
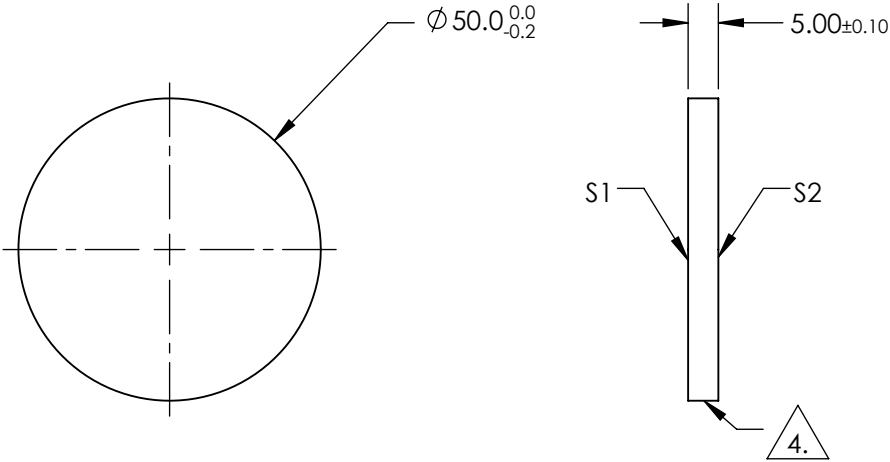
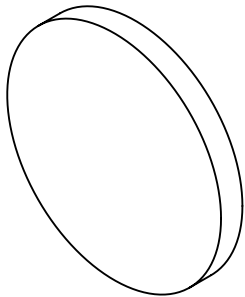
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 765 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 735nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 750 $\pm$ 7.5nm @ 0° AOI  
  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED



ALL DIMS IN mm

**Edmund Optics®**

TITLE  
Ø50mm, 750nm, HIGH PERFORMANCE  
LONGPASS FILTER

DWG NO  
84761

SHEET  
1 OF 1

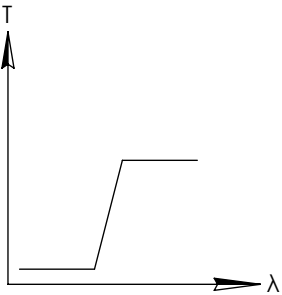
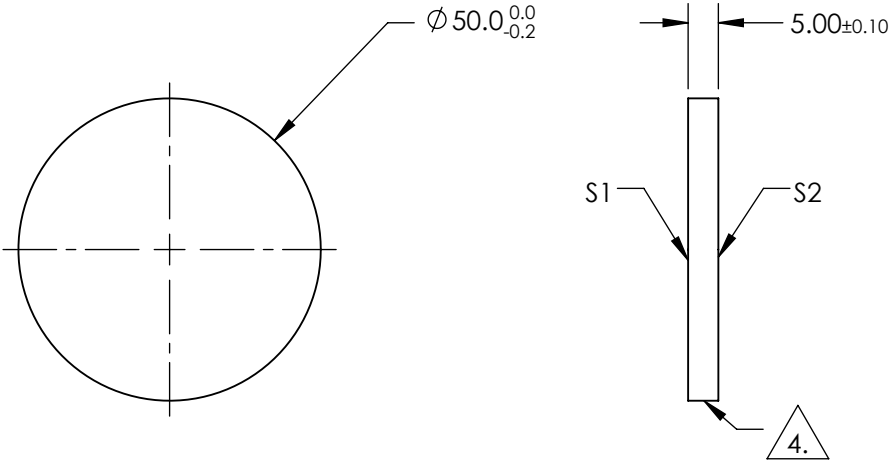
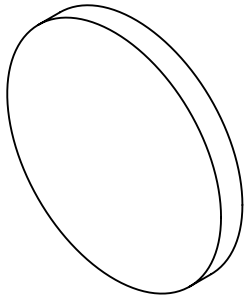
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 815 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 785nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 800 $\pm$ 8nm @ 0° AOI  
  
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

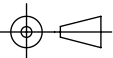
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT




LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION 

ALL DIMS IN      mm

 <b>Edmund Optics®</b>			
TITLE	Ø50mm, 800nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	84762	SHEET 1 OF 1	

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

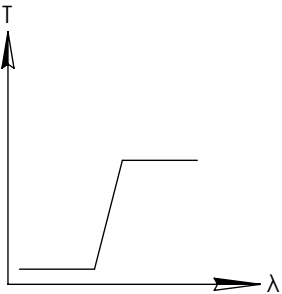
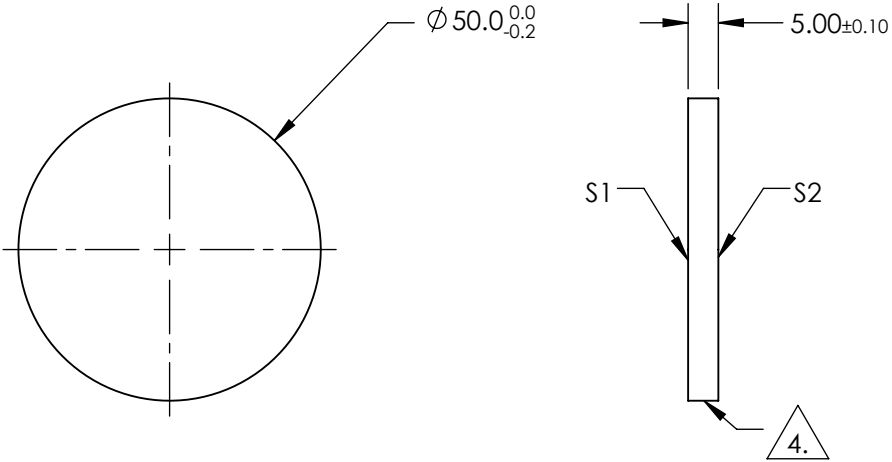
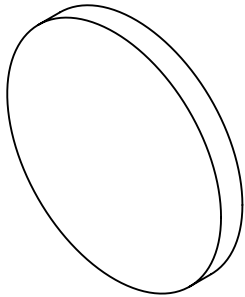
NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 865 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 835nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 850 $\pm$ 8.5nm @ 0° AOI

S2:SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION	
ALL DIMS IN	mm

TITLE	Ø50mm, 850nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	84763	SHEET 1 OF 1	

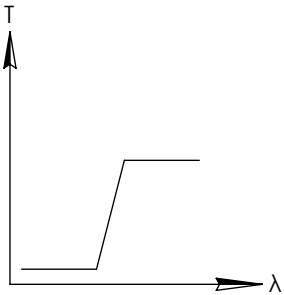
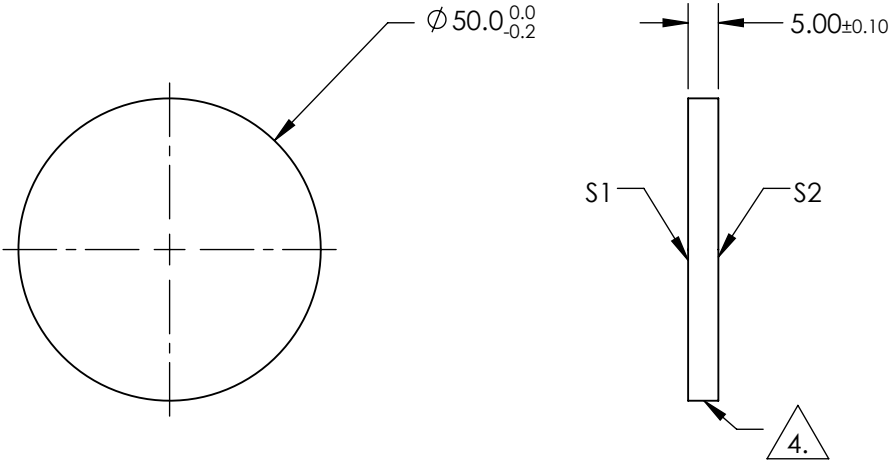
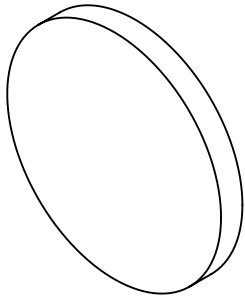
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 915 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 880nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 900 $\pm$ 9nm @ 0° AOI  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION	
ALL DIMS IN	mm

TITLE	Ø50mm, 900nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	84764	SHEET 1 OF 1	

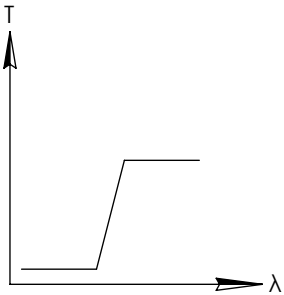
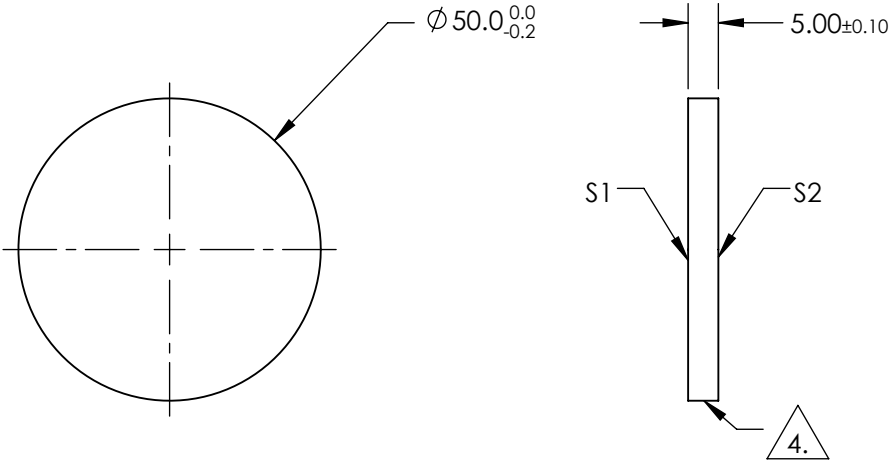
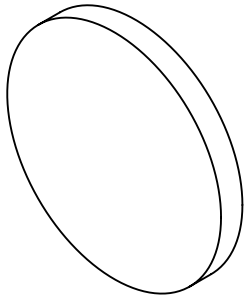
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 965 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 930nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 950 $\pm$ 9.5nm @ 0° AOI  
  
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

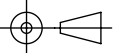
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT




LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION 

ALL DIMS IN mm

 <b>Edmund Optics®</b>			
TITLE	Ø50mm, 950nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	84765	SHEET 1 OF 1	

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PARTS TO THIS DRAWING**

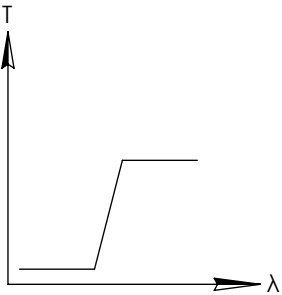
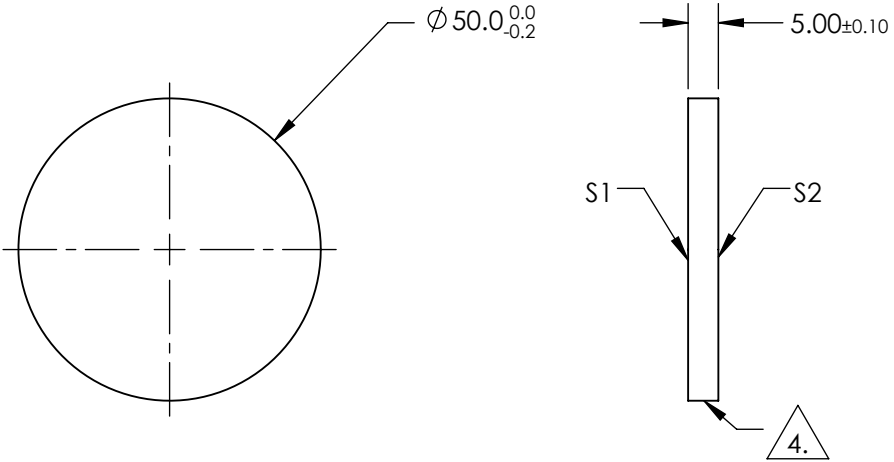
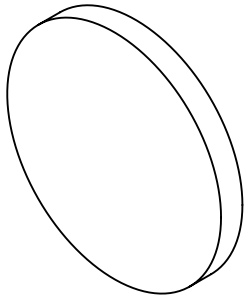
NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 1020 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 980nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 1000 $\pm$ 10nm @ 0° AOI

S2:SINGLE LAYER MgF2

 FINE GRIND SURFACE

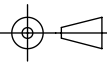

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION 		 <b>Edmund Optics®</b>	
TITLE		Ø50mm, 1000nm, HIGH PERFORMANCE LONGPASS FILTER	
ALL DIMS IN	mm	DWG NO	84766
			SHEET 1 OF 1

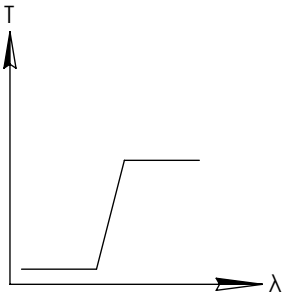
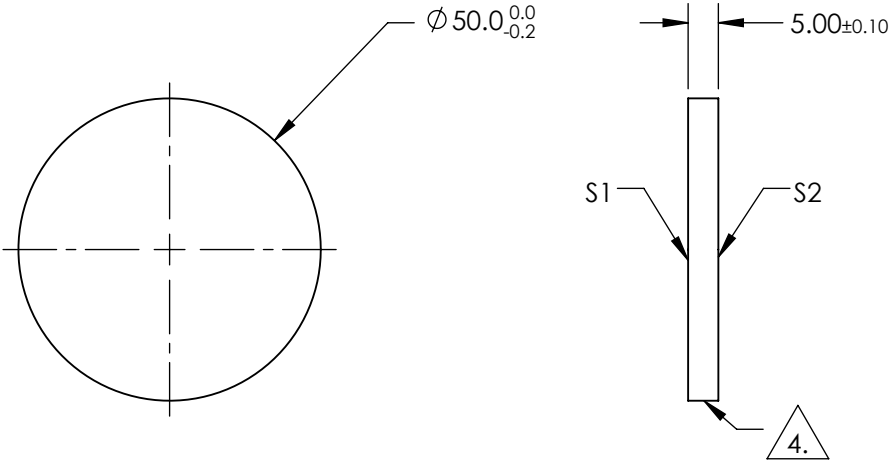
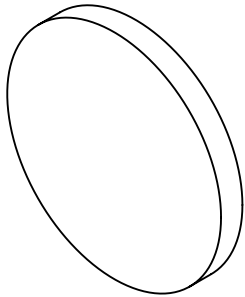
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 1070 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 1030nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 1050 $\pm$ 10.5nm @ 0° AOI  
  
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

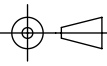
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION 		Edmund Optics®	
ALL DIMS IN mm		TITLE	Ø50mm, 1050nm, HIGH PERFORMANCE LONGPASS FILTER
DWG NO		84767	SHEET 1 OF 1

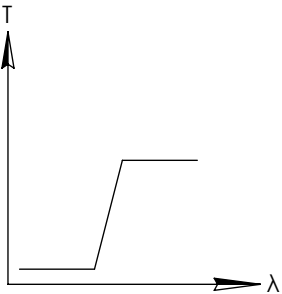
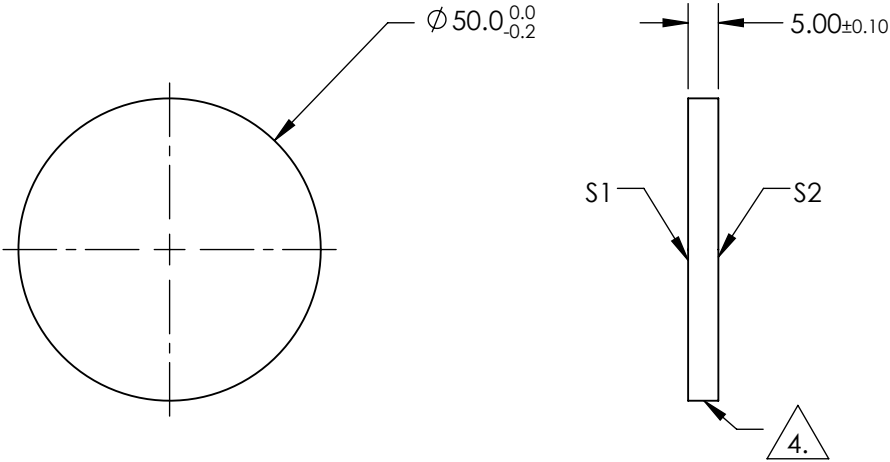
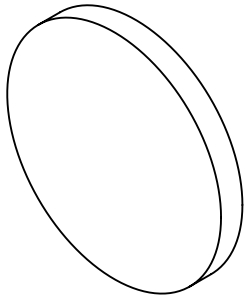
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 1120 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 1080nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 1100 $\pm$ 11nm @ 0° AOI  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

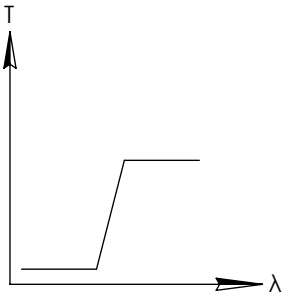
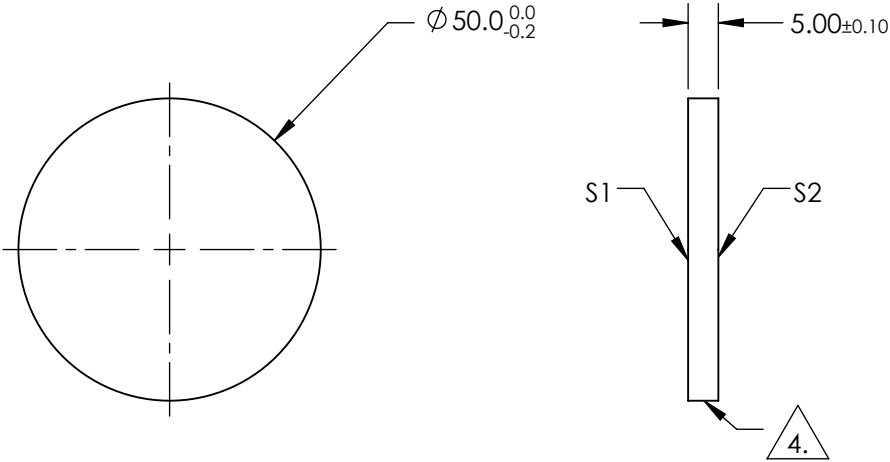
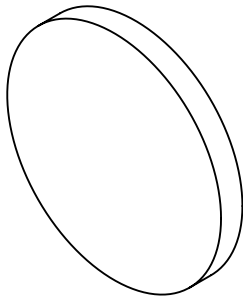
REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION		Edmund Optics®	
ALL DIMS IN		TITLE	Ø50mm, 1100nm, HIGH PERFORMANCE LONGPASS FILTER
mm		DWG NO	84768
			SHEET 1 OF 1

**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)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 735 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 705nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 725 $\pm$ 7.25nm @ 0° AOI  
  
S2:SINGLE LAYER MgF2
4. FINE GRIND SURFACE
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION		Edmund Optics®	
TITLE		Ø50mm, 725nm, HIGH PERFORMANCE LONGPASS FILTER	
ALL DIMS IN	mm	DWG NO	86076
			SHEET 1 OF 1

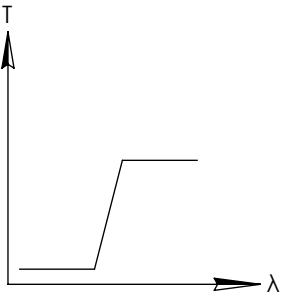
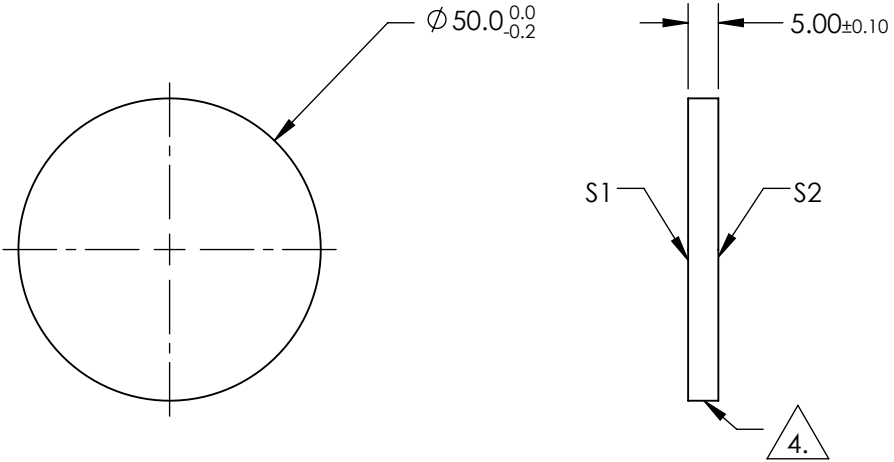
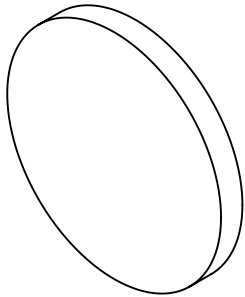
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 790 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 760nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 775 $\pm$ 7.75nm @ 0° AOI  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

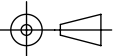
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT




LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION 

ALL DIMS IN mm

			
TITLE	Ø50mm, 775nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	86077	SHEET 1 OF 1	

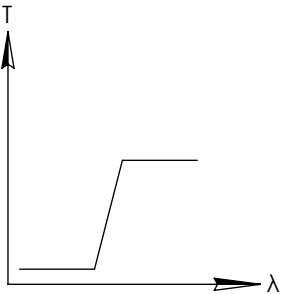
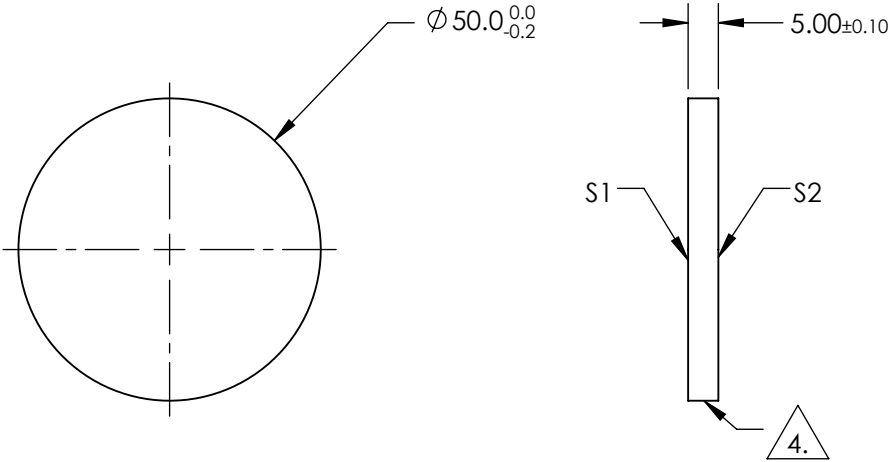
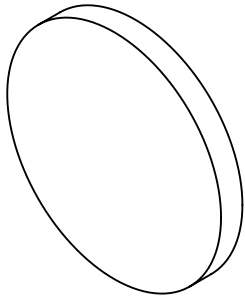
NOTES:

- 1. SUBSTRATE
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
- 3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg): ≥91% FROM 840 - 1650nm @ 0° AOI  
T(avg): ≤0.01% FROM 200 - 805nm @ 0° AOI  
T(abs): =50% FOR 825±8.25nm @ 0° AOI  
  
S2:SINGLE LAYER MgF2

4. FINE GRIND SURFACE

- 5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
- 6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
- 7. ROHS COMPLIANT

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



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION		Edmund Optics®	
ALL DIMS IN mm		TITLE	Ø50mm, 825nm, HIGH PERFORMANCE LONGPASS FILTER
		DWG NO	86078
		SHEET 1 OF 1	

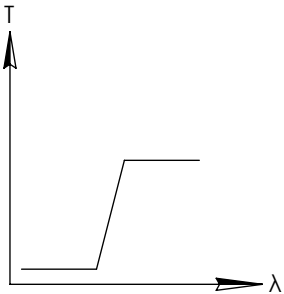
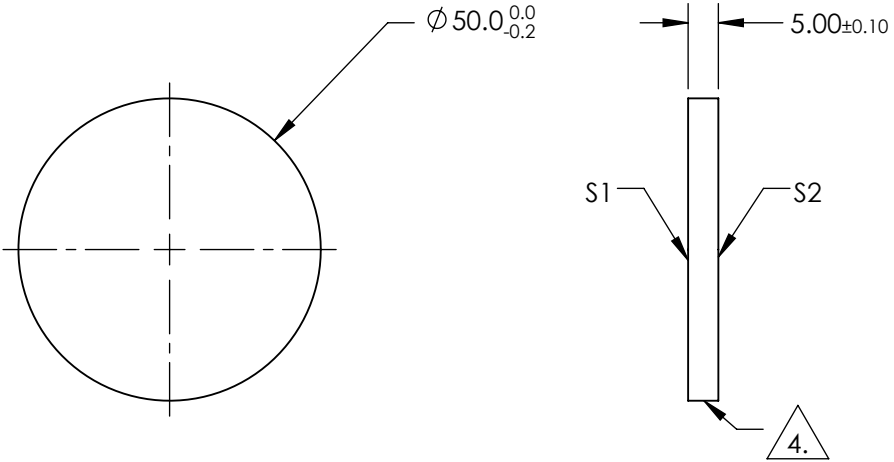
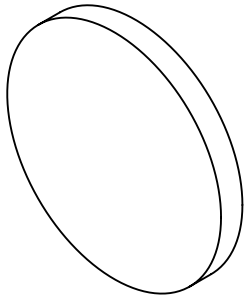
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 890 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 860nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 875 $\pm$ 8.75nm @ 0° AOI  
S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT




LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION

ALL DIMS IN mm

 <b>Edmund Optics®</b>			
TITLE	Ø50mm, 875nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	86079	SHEET 1 OF 1	

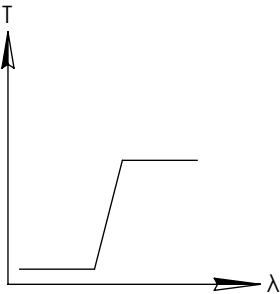
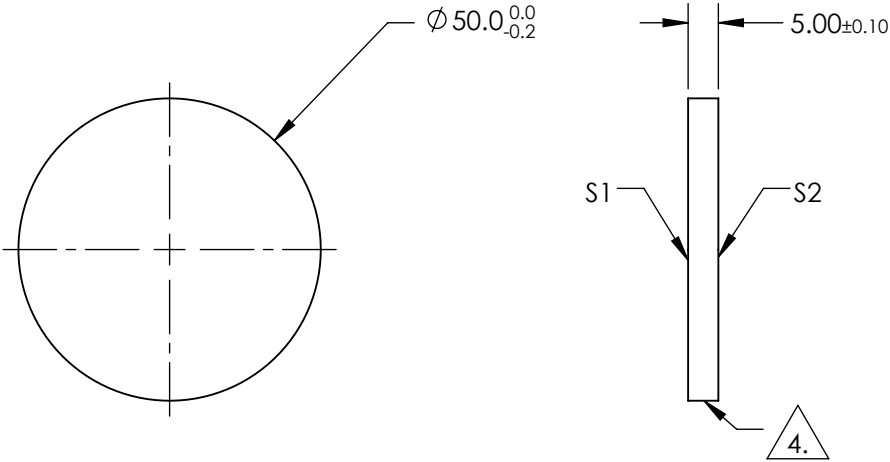
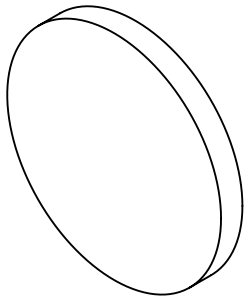
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 940 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 905nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 925 $\pm$ 9.25nm @ 0° AOI  
  
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED



ALL DIMS IN mm

 **Edmund Optics®**

TITLE	Ø50mm, 925nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	86080	SHEET	1 OF 1

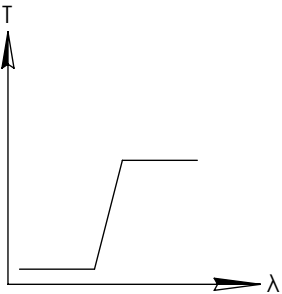
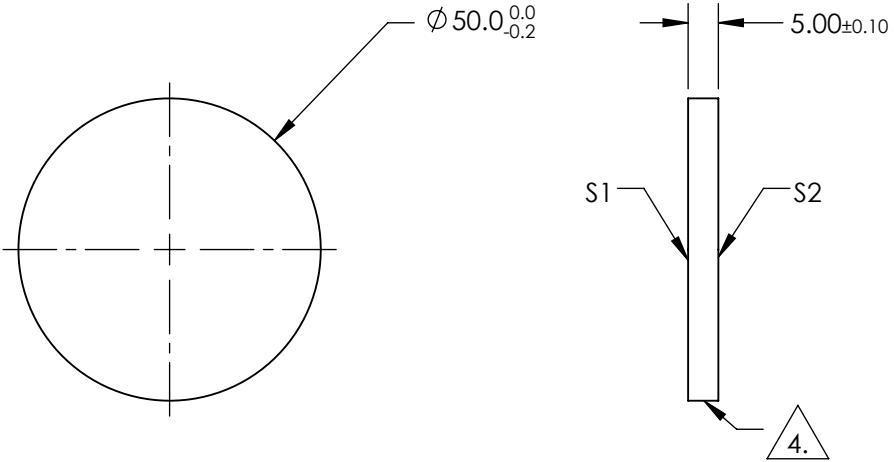
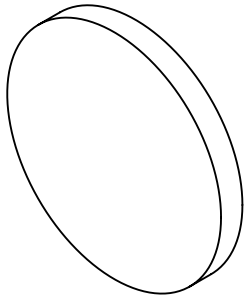
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 990 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 955nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 975 $\pm$ 9.75nm @ 0° AOI  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED



ALL DIMS IN mm

**Edmund Optics®**

TITLE

Ø50mm, 975nm, HIGH PERFORMANCE  
LONGPASS FILTER

DWG NO

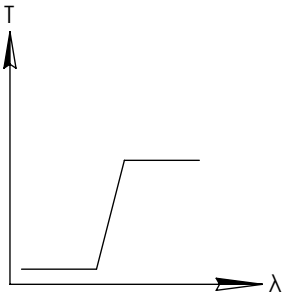
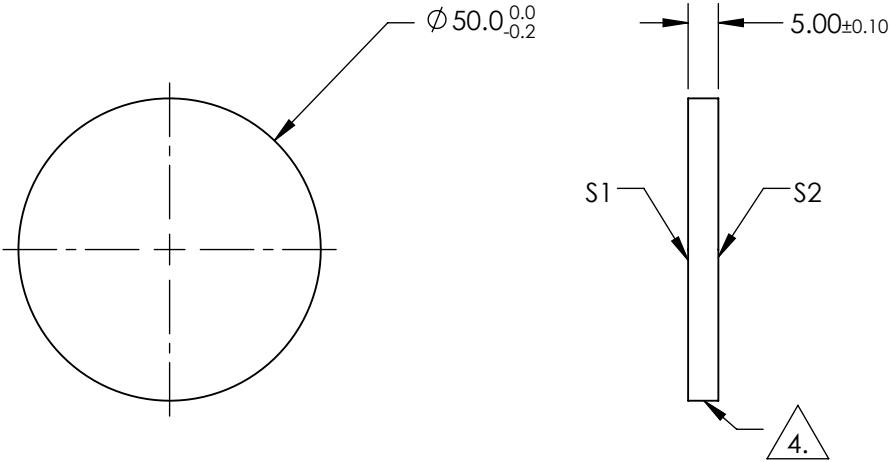
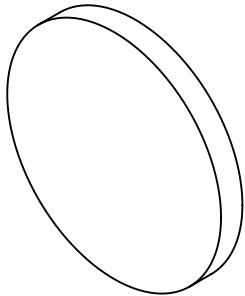
86081

SHEET  
1 OF 1

**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)  
S1: HARD DIELECTRIC SPUTTERED  
T(avg):  $\geq 91\%$  FROM 1045 - 1650nm @ 0° AOI  
T(avg):  $\leq 0.01\%$  FROM 200 - 1005nm @ 0° AOI  
T(abs):  $\approx 50\%$  FOR 1025 $\pm$ 10.25nm @ 0° AOI  
  
S2: SINGLE LAYER MgF2
4. FINE GRIND SURFACE
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION		Edmund Optics®	
ALL DIMS IN mm		TITLE	Ø50mm, 1025nm, HIGH PERFORMANCE LONGPASS FILTER
		DWG NO	86082
		SHEET 1 OF 1	

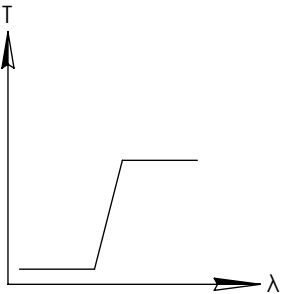
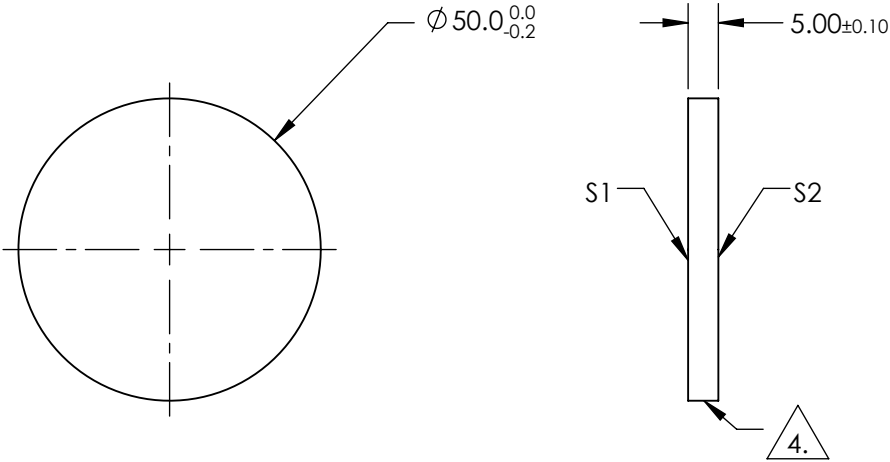
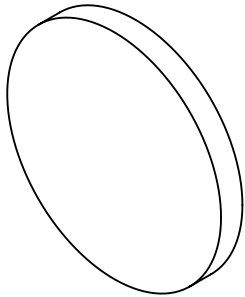
NOTES:

- 1. SUBSTRATE
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
- 3. COATING (APPLY ACROSS COATING APERTURE)
  - S1: HARD DIELECTRIC SPUTTERED
    - T(avg): ≥91% FROM 1095 - 1650nm @ 0° AOI
    - T(avg): ≤0.01% FROM 200 - 1055nm @ 0° AOI
    - T(abs): =50% FOR 1075±10.75nm @ 0° AOI
  - S2:SINGLE LAYER MgF2

4. FINE GRIND SURFACE

- 5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
- 6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
- 7. ROHS COMPLIANT

FOR INFORMATION ONLY:  
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PARTS TO THIS DRAWING



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION		Edmund Optics®	
ALL DIMS IN mm		TITLE	Ø50mm, 1075nm, HIGH PERFORMANCE LONGPASS FILTER
		DWG NO	86083
		SHEET 1 OF 1	