

NOTES:

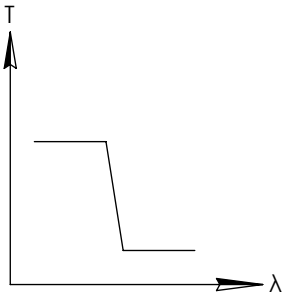
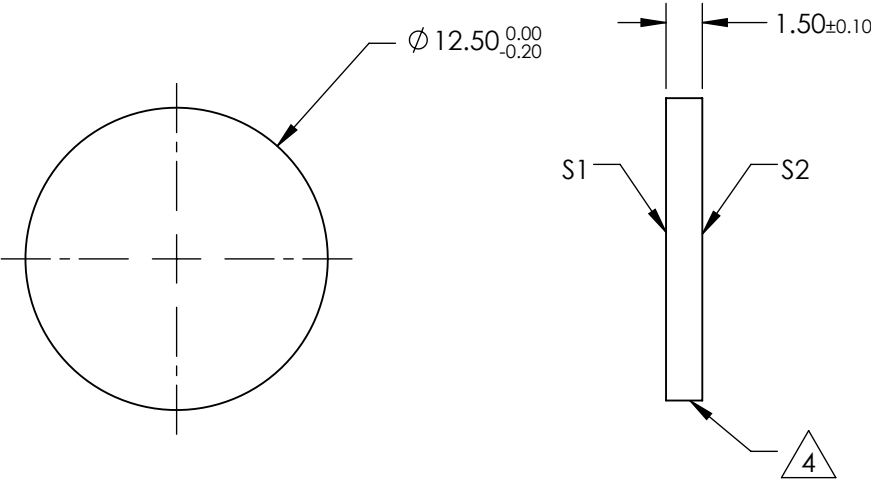
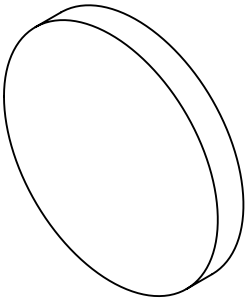
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ± 3 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): $>85\%$ @ AOI 0° FROM 250 - 385nm
T(avg): $<1\%$ @ AOI 0° FROM 420 - 485nm
T(avg): $\approx 50\%$ FOR AOI 0° @ 400 ± 2 nm

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION P-V @ 632.8nm $1/10 \lambda$
7. ROHS COMPLIANT

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



SHORTPASS 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	Ø10	Ø10
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

Edmund Optics®



ALL DIMS IN

mm

TITLE OD2, Ø12.5mm, 400nm, SHORTPASS FILTER

DWG NO 47810

SHEET
1 OF 1

NOTES:

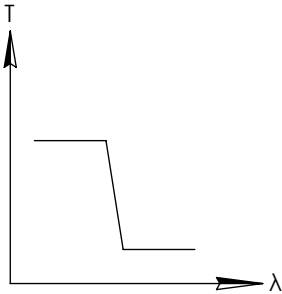
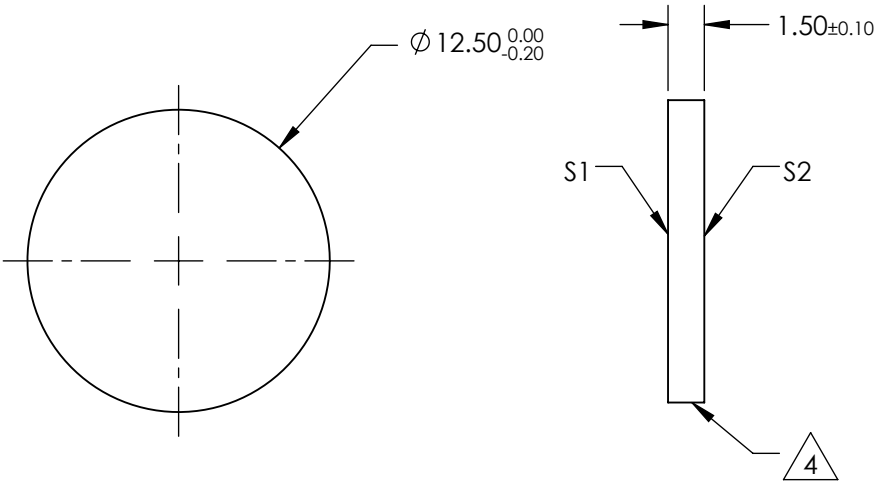
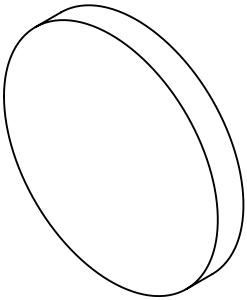
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ± 3 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): $>85\%$ @ AOI 0° FROM 250 - 430nm
T(avg): $<1\%$ @ AOI 0° FROM 470 - 545nm
T(avg): $\approx 50\%$ FOR AOI 0° @ 450 ± 2 nm

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION P-V @ 632.8nm 1/10 λ
7. ROHS COMPLIANT

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



SHORTPASS 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	Ø10	Ø10
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION		TITLE	OD2, Ø12.5mm, 450nm, SHORTPASS FILTER
ALL DIMS IN	mm	DWG NO	47811
			SHEET 1 OF 1

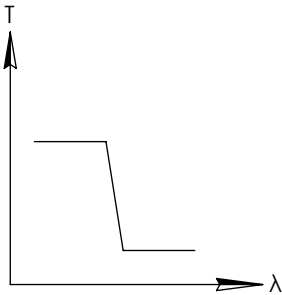
NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ± 3 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): $>85\%$ @ AOI 0° FROM 250 - 480nm
T(avg): $<1\%$ @ AOI 0° FROM 520 - 610nm
T(avg): $\approx 50\%$ FOR AOI 0° @ 500 ± 2 nm

S2: SINGLE LAYER MgF2

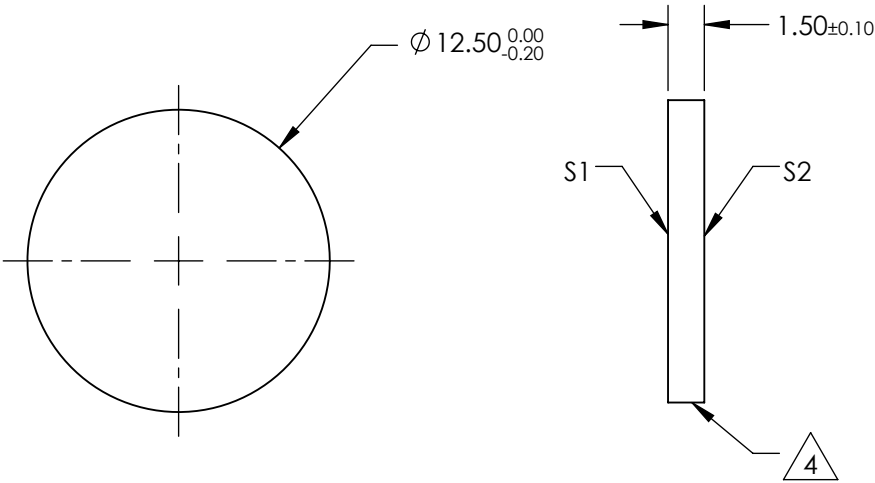
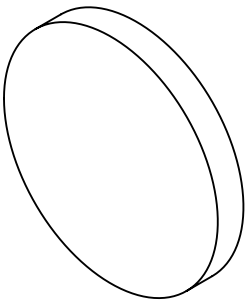
4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION P-V @ 632.8nm $1/10 \lambda$
7. ROHS COMPLIANT



SHORTPASS FILTER

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PARTS TO THIS DRAWING**



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	Ø10	Ø10
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION		TITLE	OD2, Ø12.5mm, 500nm, SHORTPASS FILTER
ALL DIMS IN	mm	DWG NO	47812
			SHEET 1 OF 1

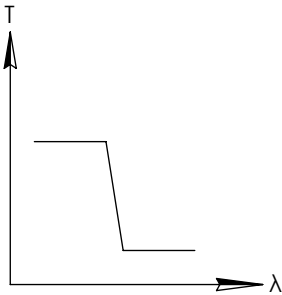
NOTES:

- 1. SUBSTRATE
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ± 3 arcsec
- 3. COATING (APPLY ACROSS COATING APERTURE)
DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% @ AOI 0° FROM 400 - 530nm
T(avg): <1% @ AOI 0° FROM 575 - 725nm
T(avg): =50% FOR AOI 0° @ 550±2nm

S2: SINGLE LAYER MgF2

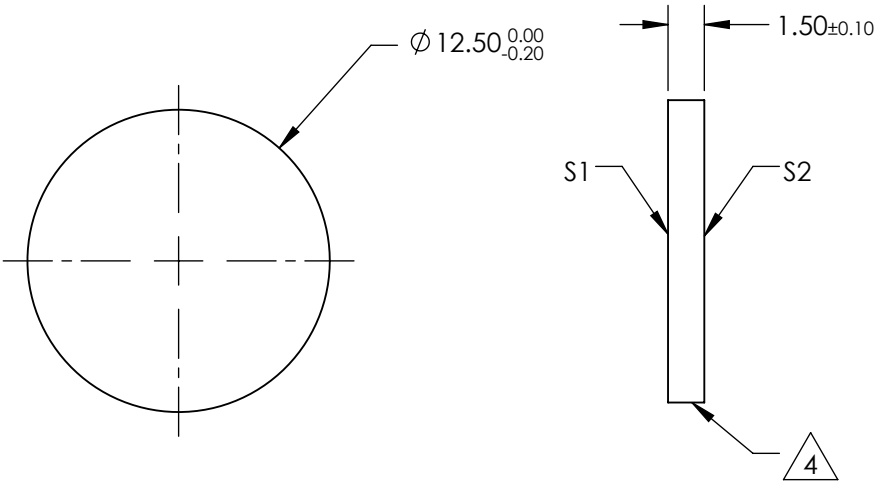
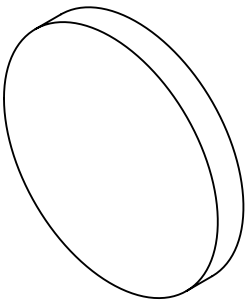
4. FINE GRIND SURFACE

- 5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
- 6. TRANSMITTED WAVEFRONT DISTORTION P-V @ 632.8nm 1/10 λ
- 7. ROHS COMPLIANT



SHORTPASS FILTER

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PARTS TO THIS DRAWING**



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	Ø10	Ø10
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION		TITLE	OD2, Ø12.5mm, 550nm, SHORTPASS FILTER
ALL DIMS IN	mm	DWG NO	47813
			SHEET 1 OF 1

NOTES:

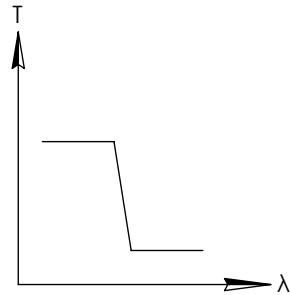
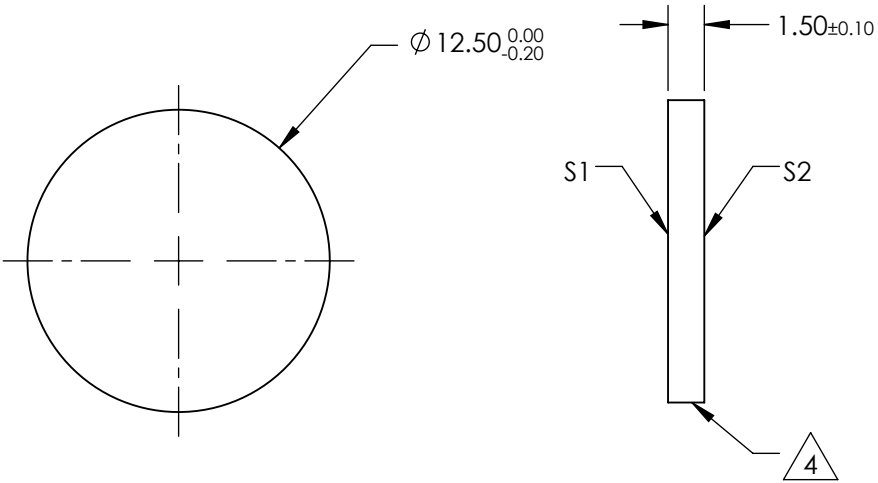
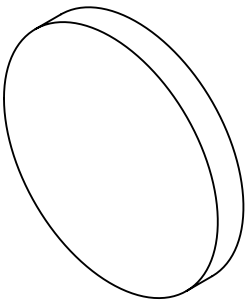
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ± 3 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): $>85\%$ @ AOI 0° FROM 400 - 580nm
T(avg): $<1\%$ @ AOI 0° FROM 625 - 795nm
T(avg): $\approx 50\%$ FOR AOI 0° @ 600 ± 2 nm

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION P-V @ 632.8nm $1/10 \lambda$
7. ROHS COMPLIANT

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



SHORTPASS 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	Ø10	Ø10
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

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ALL DIMS IN mm

TITLE	OD2, Ø12.5mm, 600nm, SHORTPASS FILTER		
DWG NO	47814	SHEET 1 OF 1	

NOTES:

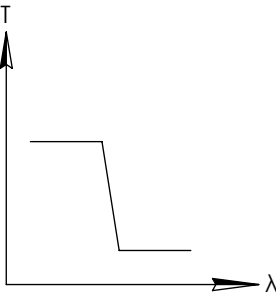
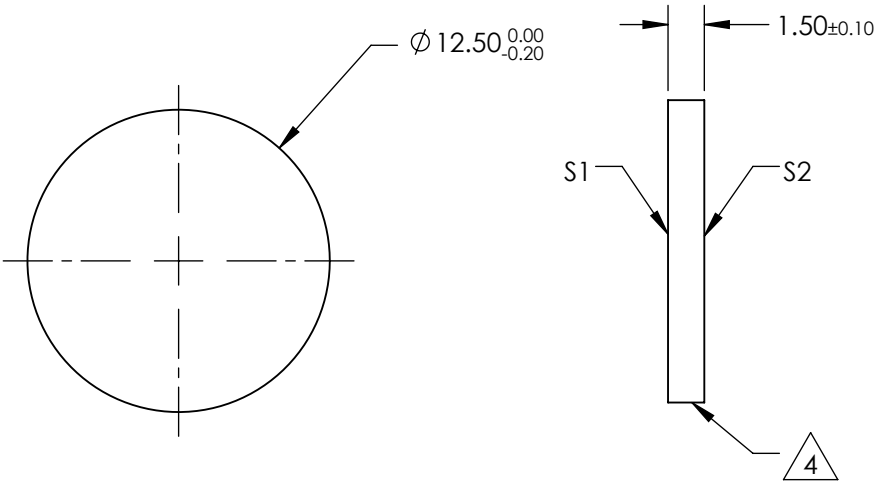
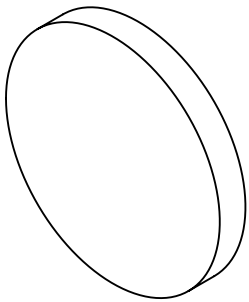
- 1. SUBSTRATE
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ±3 arcsec
- 3. COATING (APPLY ACROSS COATING APERTURE)
DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% @ AOI 0° FROM 400 - 630nm
T(avg): <1% @ AOI 0° FROM 675 - 850nm
T(avg): =50% FOR AOI 0° @ 650±2nm

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

- 5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
- 6. TRANSMITTED WAVEFRONT DISTORTION P-V @ 632.8nm 1/10 λ
- 7. ROHS COMPLIANT

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



SHORTPASS 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	Ø10	Ø10
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

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ALL DIMS IN mm

TITLE	OD2, Ø12.5mm, 650nm, SHORTPASS FILTER		
DWG NO	47815	SHEET 1 OF 1	

NOTES:

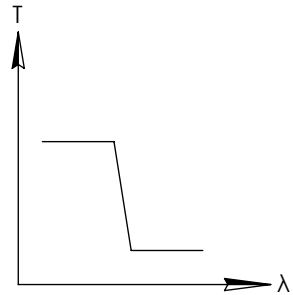
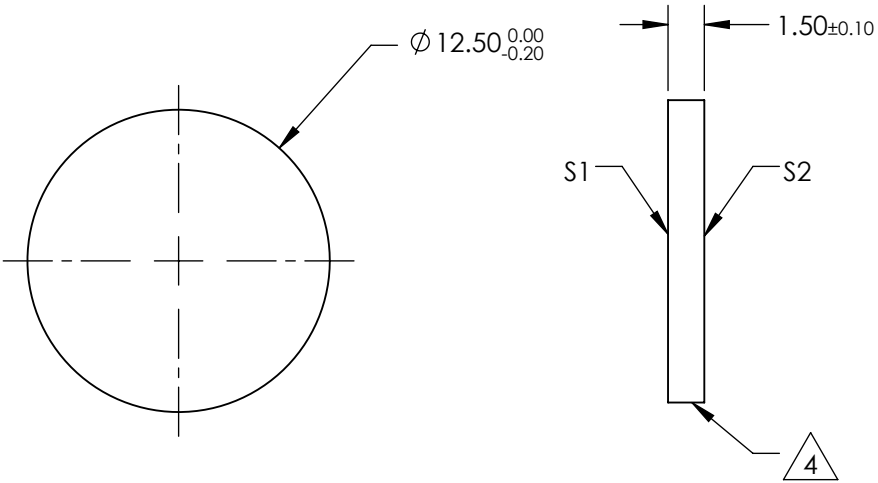
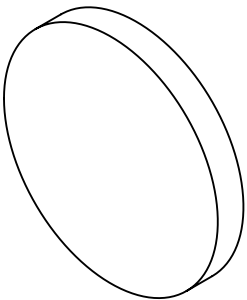
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ± 3 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): $>85\%$ @ AOI 0° FROM 400 - 680nm
T(avg): $<1\%$ @ AOI 0° FROM 725 - 900nm
T(avg): $\approx 50\%$ FOR AOI 0° @ 700 ± 2 nm

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION P-V @ 632.8nm $1/10 \lambda$
7. ROHS COMPLIANT

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



SHORTPASS 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	Ø10	Ø10
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

Edmund Optics®



ALL DIMS IN

mm

TITLE

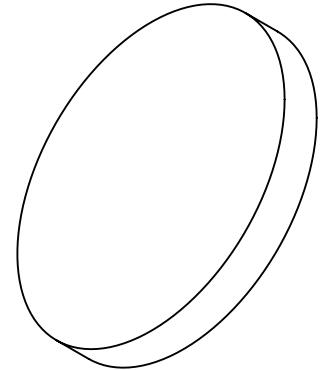
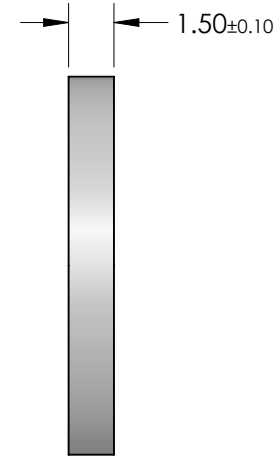
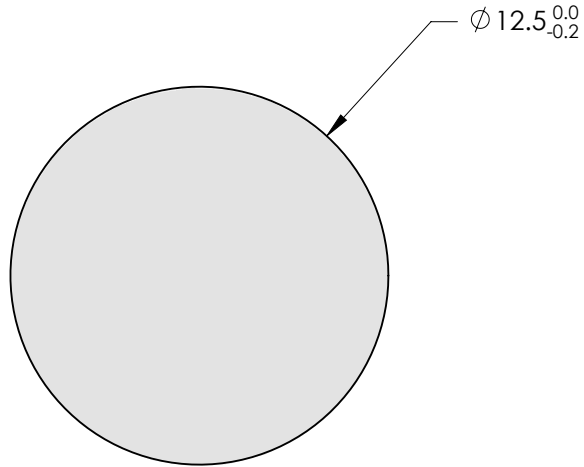
OD2, Ø12.5mm, 700nm, SHORTPASS FILTER

DWG NO

47816


SHEET
1 OF 1

FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 DIMENSIONS ARE FOR REFERENCE ONLY

SPECIFICATION	VALUE
CUT-OFF WAVELENGTH	425nm±2%
TRANSMISSION BAND	250 - 410nm
REJECTION BAND	445 - 510nm
PASSBAND TRANSMISSION	>85%
REJECTION BAND BLOCKING	≥2.0
CLEAR APERTURE	80%
SURFACE QUALITY	40-20
TRANSMITTED WAVEFRONT	$\lambda/4$ P-V
SLOPE FACTOR	±3%
ANGLE OF INCIDENCE (DEG)	0°
COATING TYPE	Traditional Coated
SUBSTRATE	UV Grade Fused Silica

EFL (AT 587.6nm)	NA	 Edmund Optics®		
BFL (AT 587.6nm)	NA	TITLE	425nm 12.5mm Diameter, OD 2 Shortpass Filter	
ALL DIMS IN	mm	DWG NO	64592	SHEET 1 OF 1

NOTES:

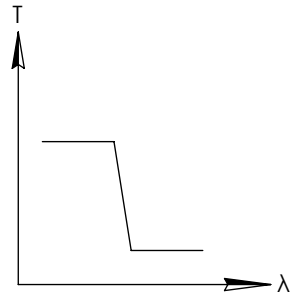
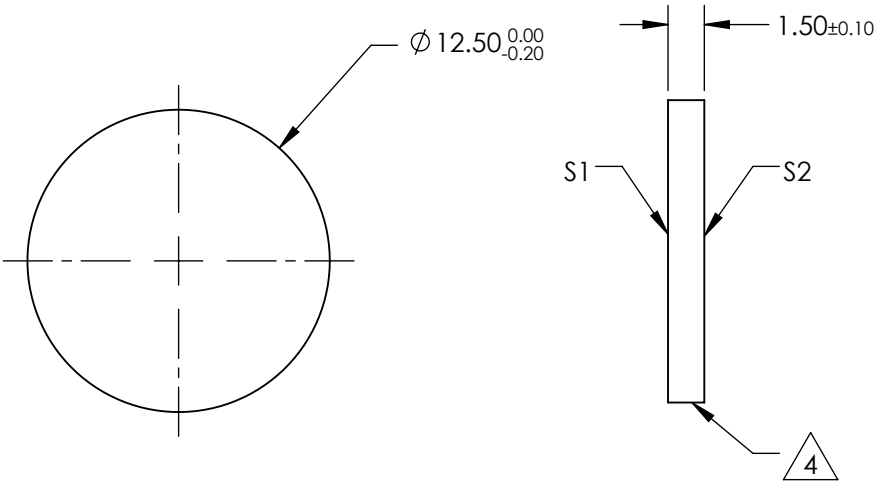
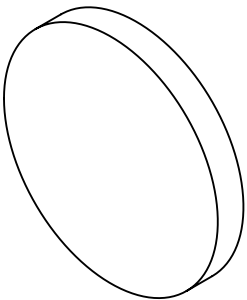
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ± 3 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): $>85\%$ @ AOI 0° FROM 250 - 455nm
T(avg): $<1\%$ @ AOI 0° FROM 495 - 570nm
T(avg): $\approx 50\%$ FOR AOI 0° @ 475 \pm 2nm

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION @ P-V @ 632.8nm 1/10 λ
7. ROHS COMPLIANT

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



SHORTPASS 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	Ø10	Ø10
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

Edmund Optics®



ALL DIMS IN mm

TITLE	OD2, Ø12.5mm, 475nm, SHORTPASS FILTER		
DWG NO	64593	SHEET 1 OF 1	

NOTES:

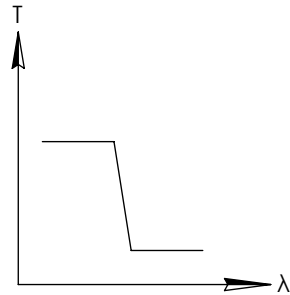
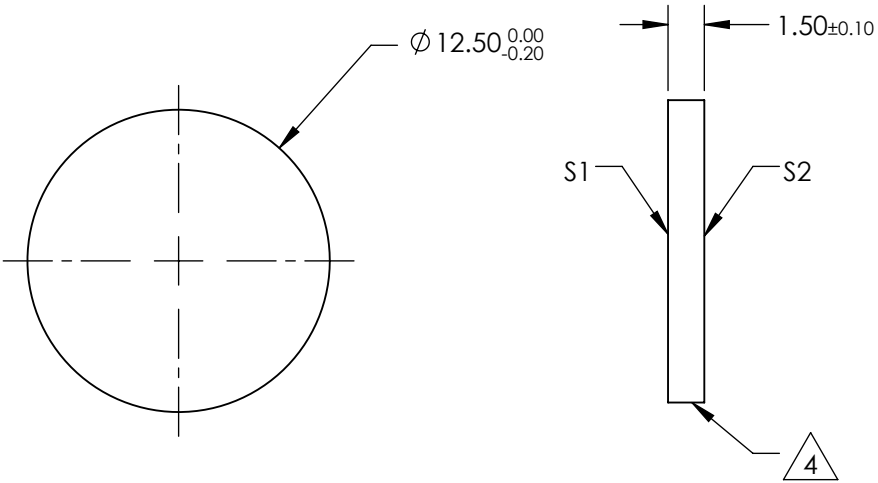
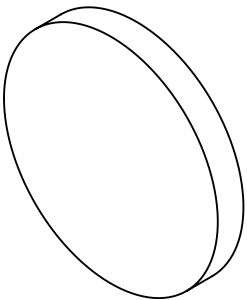
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ± 3 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): $>85\%$ @ AOI 0° FROM 250 - 505nm
T(avg): $<1\%$ @ AOI 0° FROM 545 - 635nm
T(avg): $\approx 50\%$ FOR AOI 0° @ 525 ± 2 nm

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION @ P-V @ 632.8nm 1/10 λ
7. ROHS COMPLIANT

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PARTS TO THIS DRAWING**



SHORTPASS 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	Ø10	Ø10
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

Edmund Optics®



ALL DIMS IN

mm

TITLE

OD2, Ø12.5mm, 525nm, SHORTPASS FILTER

DWG NO

64594

SHEET
1 OF 1

NOTES:

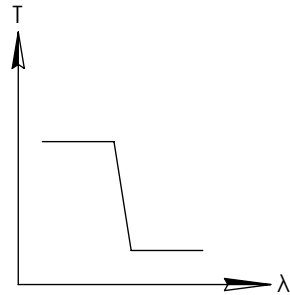
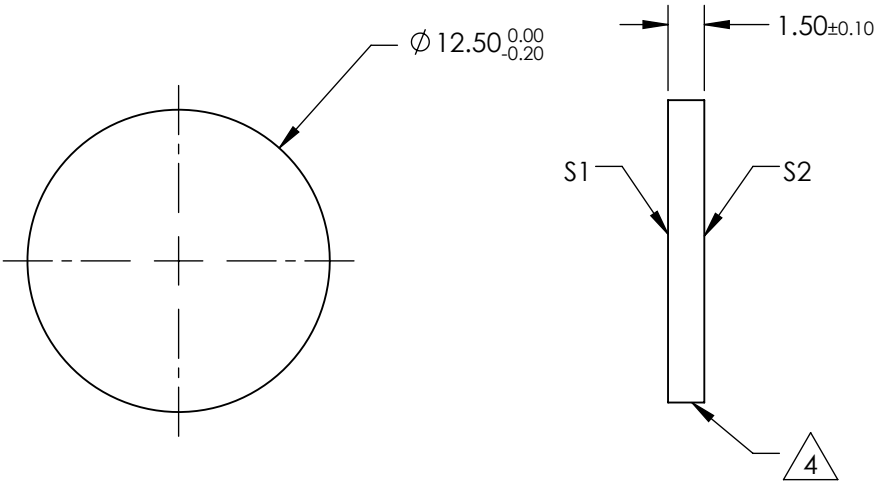
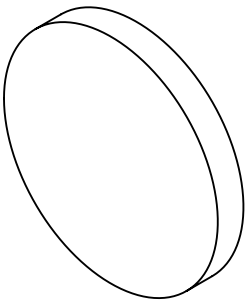
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ± 3 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): $>85\%$ @ AOI 0° FROM 400 - 555nm
T(avg): $<1\%$ @ AOI 0° FROM 600 - 750nm
T(avg): $\approx 50\%$ FOR AOI 0° @ 575 ± 2 nm

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION @ P-V @ 632.8nm $1/10 \lambda$
7. ROHS COMPLIANT

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



SHORTPASS 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	Ø10	Ø10
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

Edmund Optics®



ALL DIMS IN mm

TITLE	OD2, Ø12.5mm, 575nm, SHORTPASS FILTER		
DWG NO	64595	SHEET 1 OF 1	

NOTES:

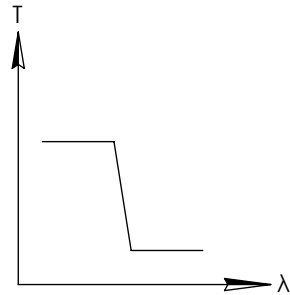
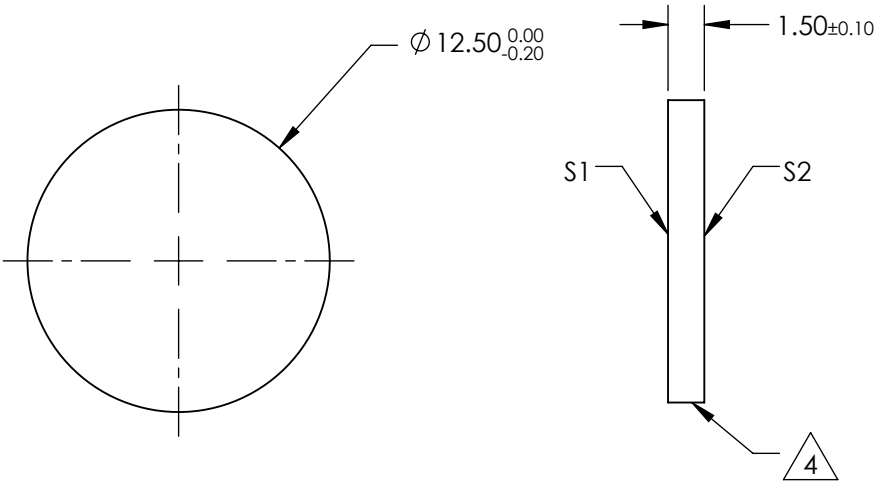
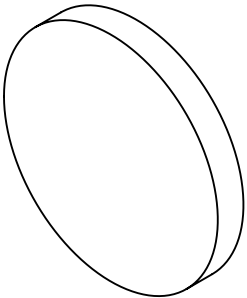
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ± 3 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): $>85\%$ @ AOI 0° FROM 400 - 605nm
T(avg): $<1\%$ @ AOI 0° FROM 650 - 820nm
T(avg): $\approx 50\%$ FOR AOI 0° @ 625 ± 2 nm

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION @ P-V @ 632.8nm $1/10 \lambda$
7. ROHS COMPLIANT

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PARTS TO THIS DRAWING**



SHORTPASS 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	Ø10	Ø10
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION		TITLE	OD2, Ø12.5mm, 625nm, SHORTPASS FILTER
ALL DIMS IN	mm	DWG NO	64596
			SHEET 1 OF 1

NOTES:

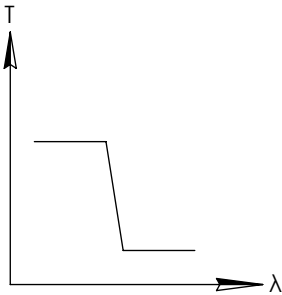
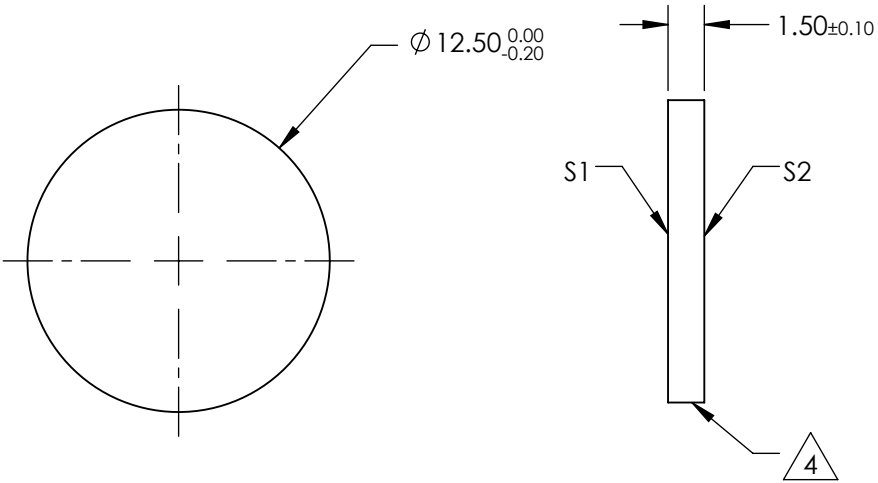
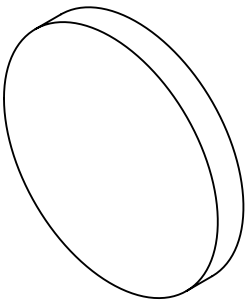
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ± 3 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): $>85\%$ @ AOI 0° FROM 400 - 655nm
T(avg): $<1\%$ @ AOI 0° FROM 700 - 875nm
T(avg): $\approx 50\%$ FOR AOI 0° @ 675 ± 2 nm

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION P-V @ 632.8nm $1/10 \lambda$
7. ROHS COMPLIANT

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



SHORTPASS 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	Ø10	Ø10
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

Edmund Optics®



ALL DIMS IN mm

TITLE	OD2, Ø12.5mm, 675nm, SHORTPASS FILTER		
DWG NO	64597	SHEET 1 OF 1	