

NOTES:

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

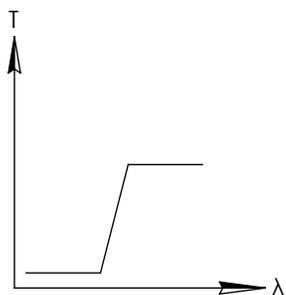
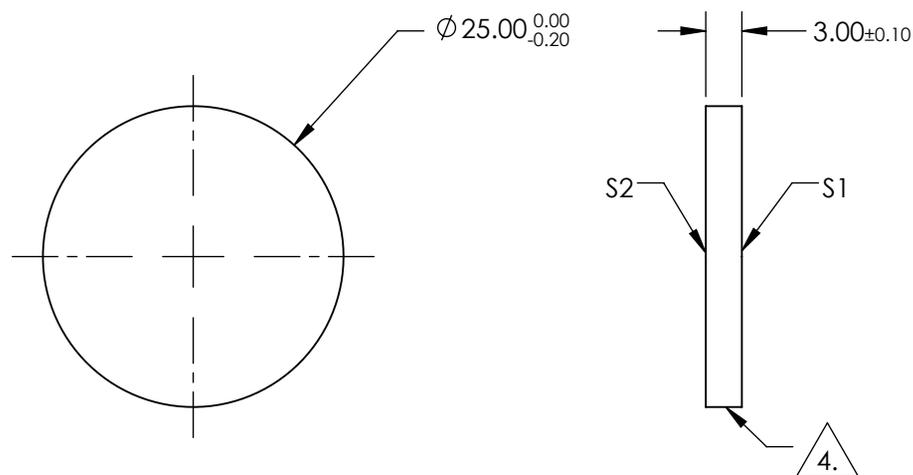
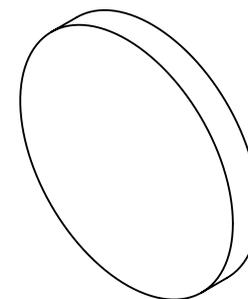
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 408 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 390nm @ 0° AOI
 T(abs): =50% FOR 400±4nm @ 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

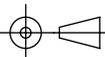


LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 DIMENSIONS ARE FOR REFERENCE ONLY

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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	DWG NO	SHEET 1 OF 1
Ø25mm, 400nm, HIGH PERFORMANCE LONGPASS FILTER	62981	

NOTES:

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

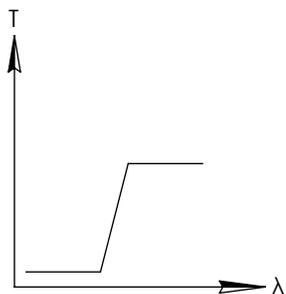
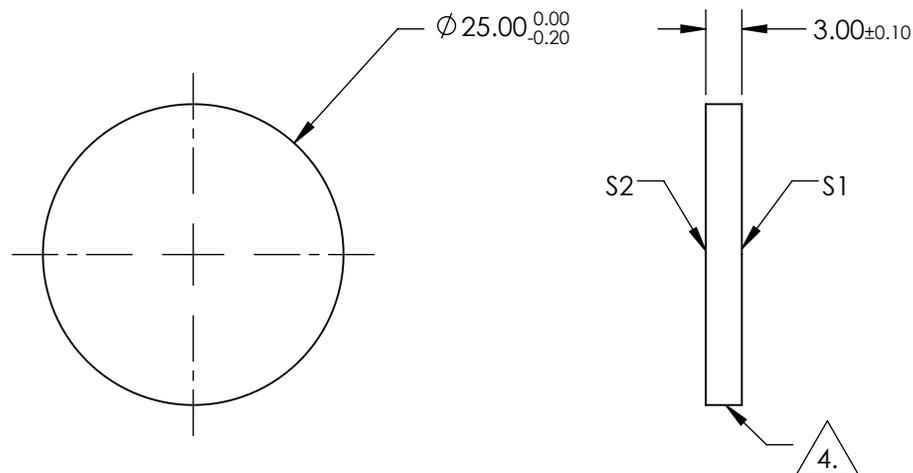
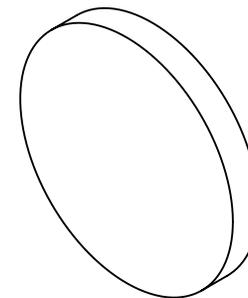
S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 458 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 440nm @ 0° AOI
 T(abs): =50% FOR 450±4.5nm @ 0° AOI

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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

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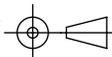
LONGPASS FILTER

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

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THIRD ANGLE PROJECTION



TITLE

Ø25mm, 450nm, HIGH PERFORMANCE
 LONGPASS FILTER

ALL DIMS IN

mm

DWG NO

62982

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)

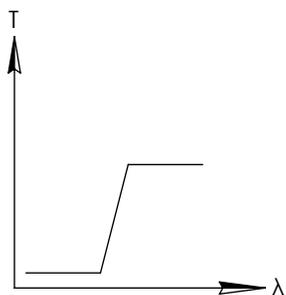
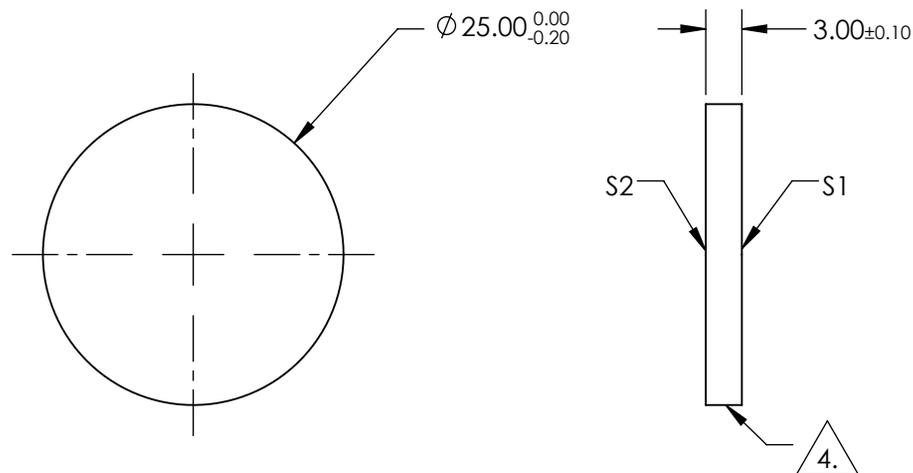
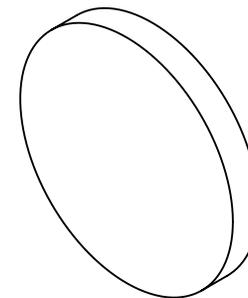
S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 508 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 490nm @ 0° AOI
 T(abs): =50% FOR 500±5nm @ 0° AOI

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

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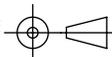
LONGPASS FILTER

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

EO® Edmund Optics®

THIRD ANGLE PROJECTION



TITLE

Ø25mm, 500nm, HIGH PERFORMANCE
 LONGPASS FILTER

ALL DIMS IN

mm

DWG NO

62983

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)

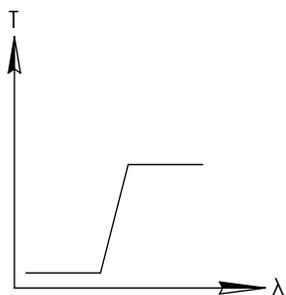
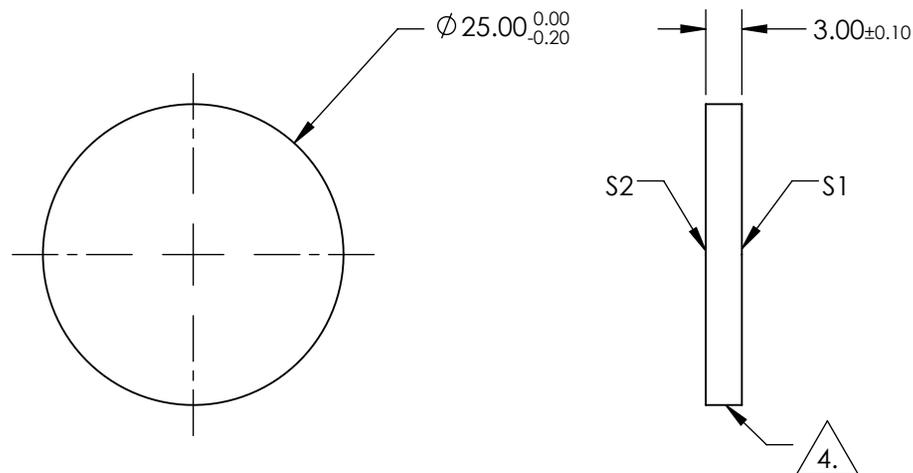
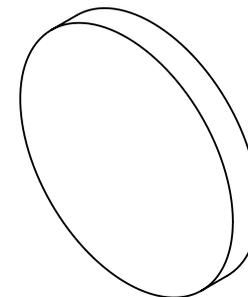
S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 560 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 539nm @ 0° AOI
 T(abs): =50% FOR 550±5.5nm @ 0° AOI

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

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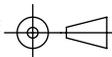
LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
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REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

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THIRD ANGLE PROJECTION



TITLE

Ø25mm, 550nm, HIGH PERFORMANCE
 LONGPASS FILTER

ALL DIMS IN

mm

DWG NO

62984

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)

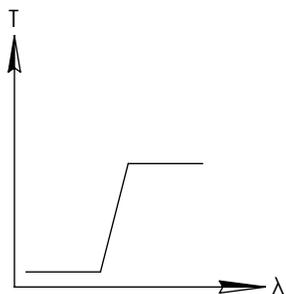
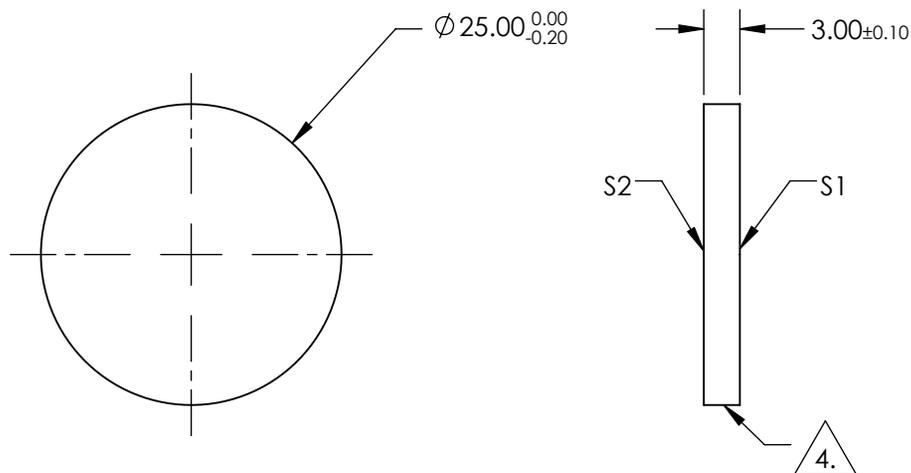
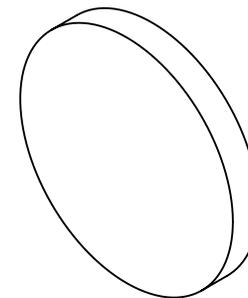
S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 610 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 588nm @ 0° AOI
 T(abs): =50% FOR 600±6nm @ 0° AOI

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

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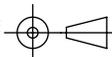
LONGPASS FILTER

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

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THIRD ANGLE PROJECTION



TITLE

Ø25mm, 600nm, HIGH PERFORMANCE
 LONGPASS FILTER

ALL DIMS IN

mm

DWG NO

62985

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)

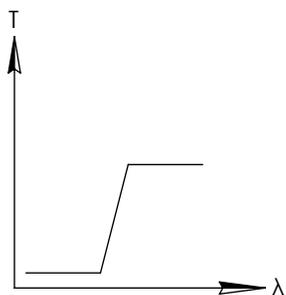
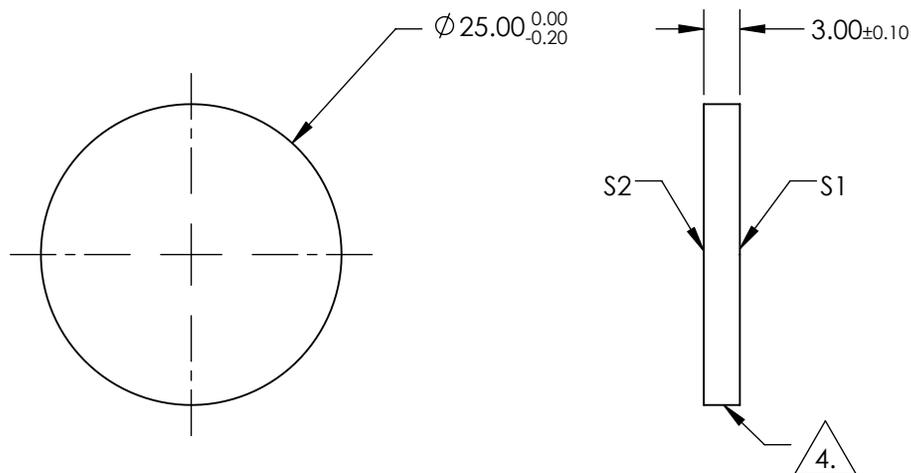
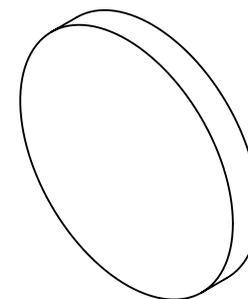
S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 660 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 637nm @ 0° AOI
 T(abs): =50% FOR 650±6.5nm @ 0° AOI

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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

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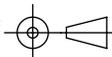
LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
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REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

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THIRD ANGLE PROJECTION



TITLE

Ø25mm, 650nm, HIGH PERFORMANCE
 LONGPASS FILTER

ALL DIMS IN

mm

DWG NO

62986

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)

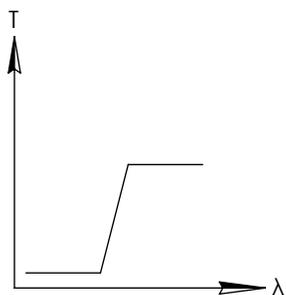
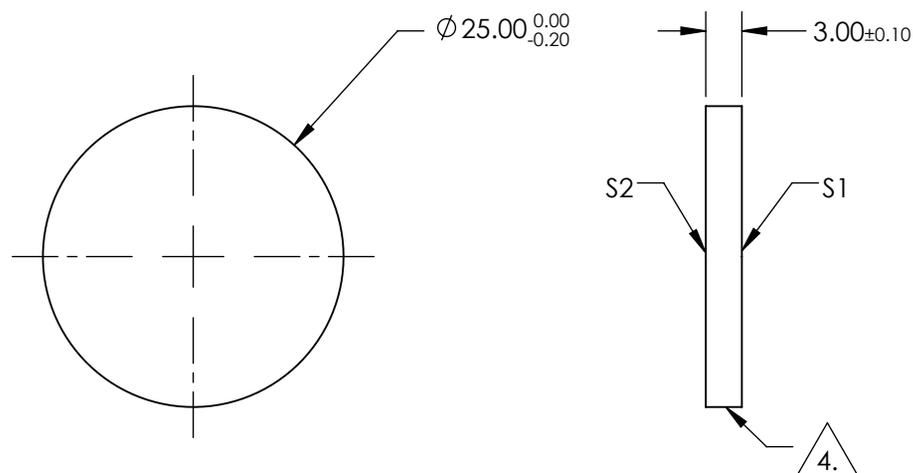
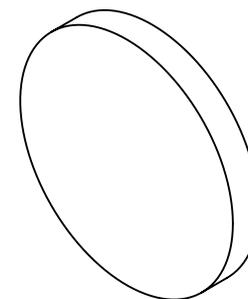
S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 710 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 686nm @ 0° AOI
 T(abs): =50% FOR 700±7nm @ 0° AOI

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

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LONGPASS FILTER

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

EO® Edmund Optics®

THIRD ANGLE PROJECTION



TITLE

Ø25mm, 700nm, HIGH PERFORMANCE
LONGPASS FILTER

ALL DIMS IN

mm

DWG NO

62987

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)

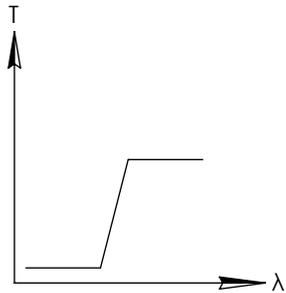
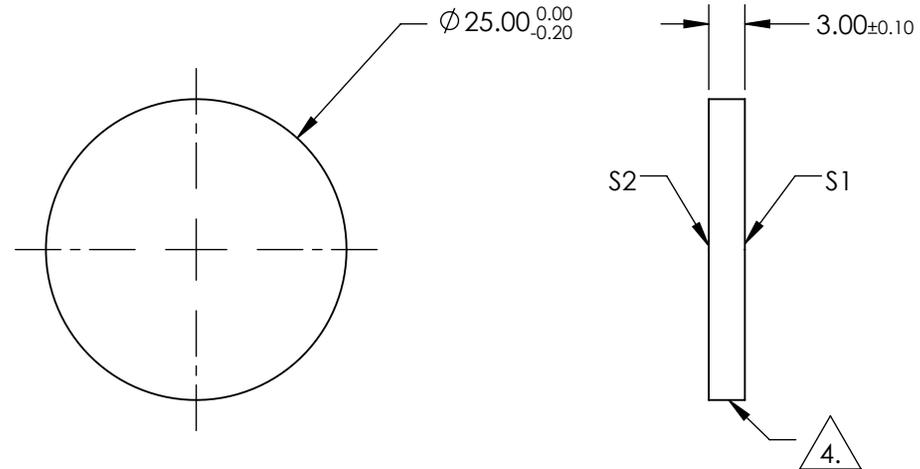
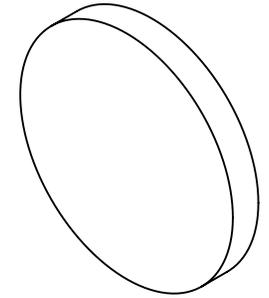
S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 433 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 415nm @ 0° AOI
 T(abs): =50% FOR 425±4.25nm @ 0° AOI

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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

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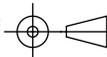


LONGPASS FILTER

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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

EO® Edmund Optics®

TITLE

Ø25mm, 425nm, HIGH PERFORMANCE
 LONGPASS FILTER

DWG NO

84742

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)

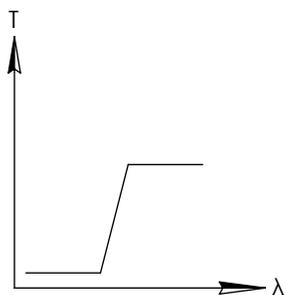
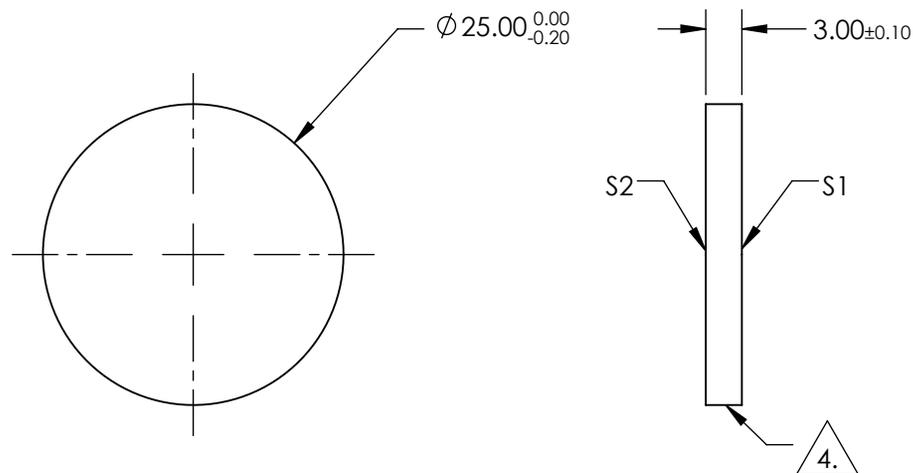
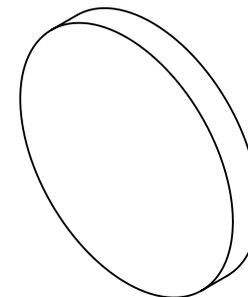
S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 483 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 465nm @ 0° AOI
 T(abs): =50% FOR 475±4.75nm @ 0° AOI

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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

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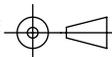
LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
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REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EO® Edmund Optics®

THIRD ANGLE PROJECTION



TITLE

Ø25mm, 475nm, HIGH PERFORMANCE
 LONGPASS FILTER

ALL DIMS IN

mm

DWG NO

84743

SHEET
 1 OF 1

NOTES:

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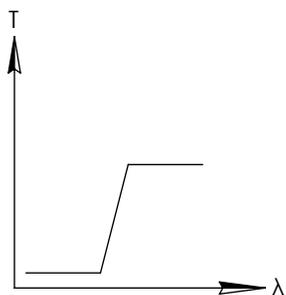
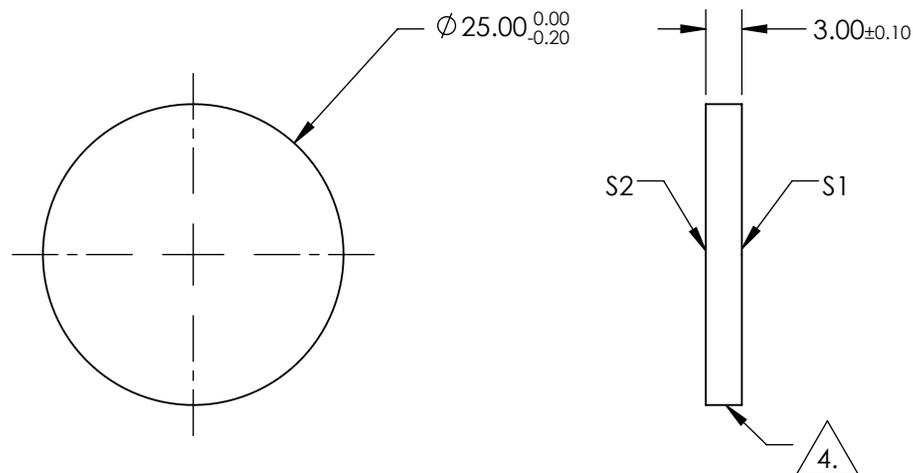
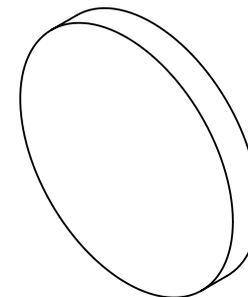
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 534 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 515nm @ 0° AOI
 T(abs): =50% FOR 525±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: ≤λ/4 @ 633nm
7. ROHS COMPLIANT



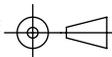
LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
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REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EO® Edmund Optics®

THIRD ANGLE PROJECTION



TITLE

Ø25mm, 525nm, HIGH PERFORMANCE
LONGPASS FILTER

ALL DIMS IN

mm

DWG NO

84744

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)

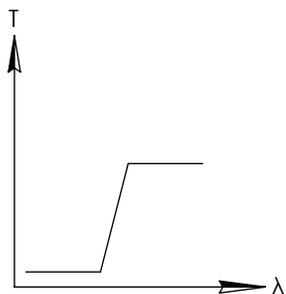
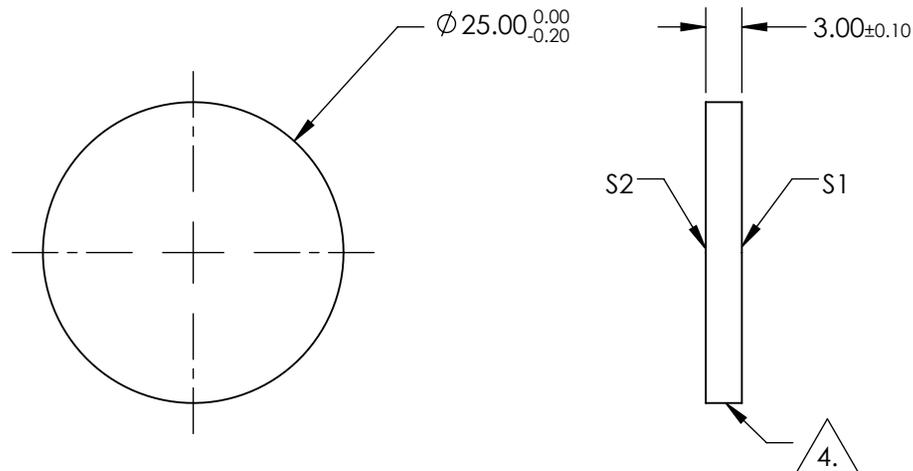
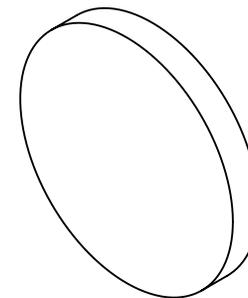
S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 585 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 564nm @ 0° AOI
 T(abs): =50% FOR 575±5.75nm @ 0° AOI

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

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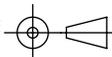
LONGPASS FILTER

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

Ø25mm, 575nm, HIGH PERFORMANCE
 LONGPASS FILTER

DWG NO

84745

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)

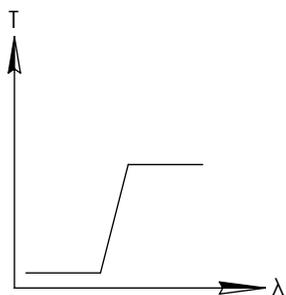
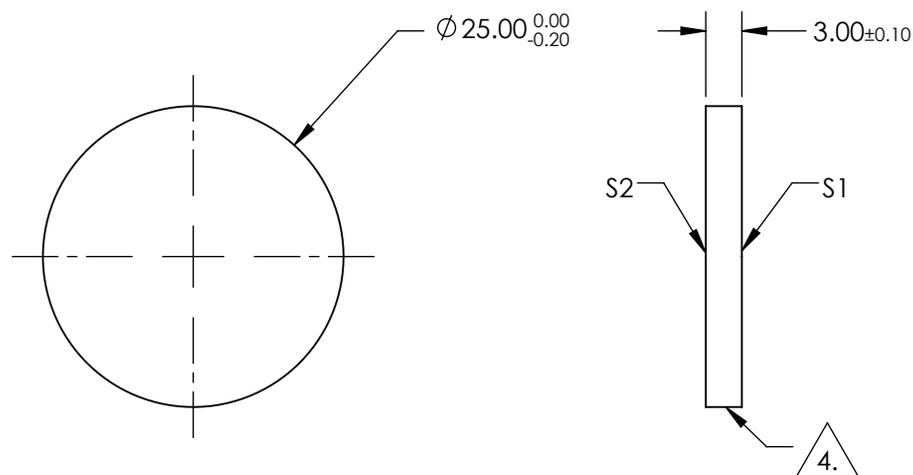
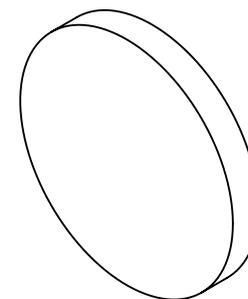
S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 635 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 613nm @ 0° AOI
 T(abs): =50% FOR 625±6.25nm @ 0° AOI

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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

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



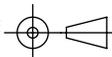
LONGPASS FILTER

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

EO® Edmund Optics®

THIRD ANGLE PROJECTION



TITLE

Ø25mm, 625nm, HIGH PERFORMANCE
 LONGPASS FILTER

ALL DIMS IN

mm

DWG NO

84746

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)

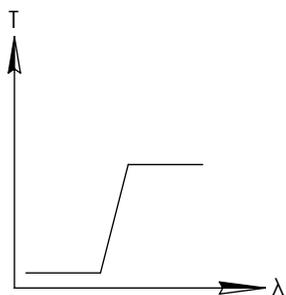
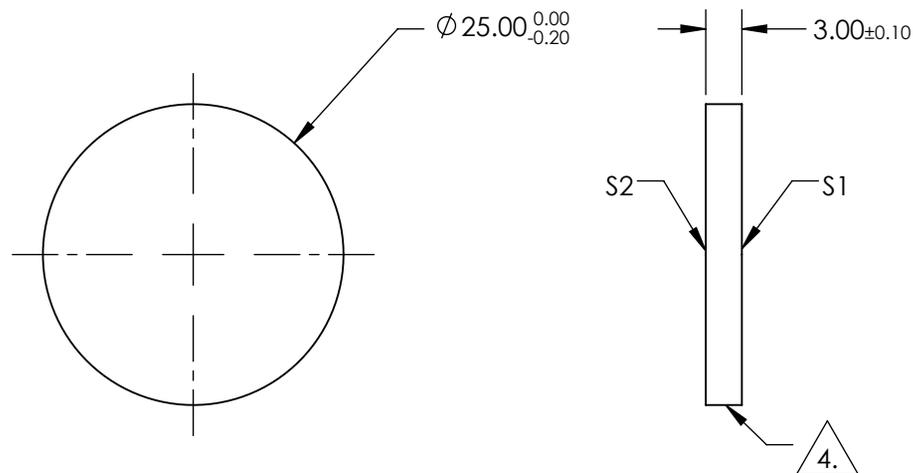
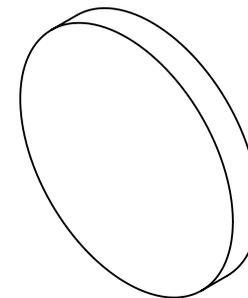
S1: HARD DIELECTRIC SPUTTERED
 T(avg): ≥91% FROM 685 - 1650nm @ 0° AOI
 T(avg): ≤0.01% FROM 200 - 662nm @ 0° AOI
 T(abs): =50% FOR 675±6.75nm @ 0° AOI

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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

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LONGPASS FILTER

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

EO® Edmund Optics®

THIRD ANGLE PROJECTION



TITLE

Ø25mm, 675nm, HIGH PERFORMANCE
 LONGPASS FILTER

ALL DIMS IN

mm

DWG NO

84747

SHEET
 1 OF 1