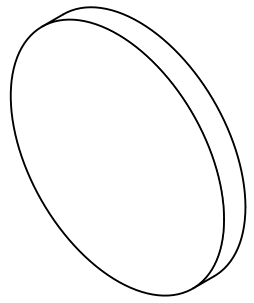
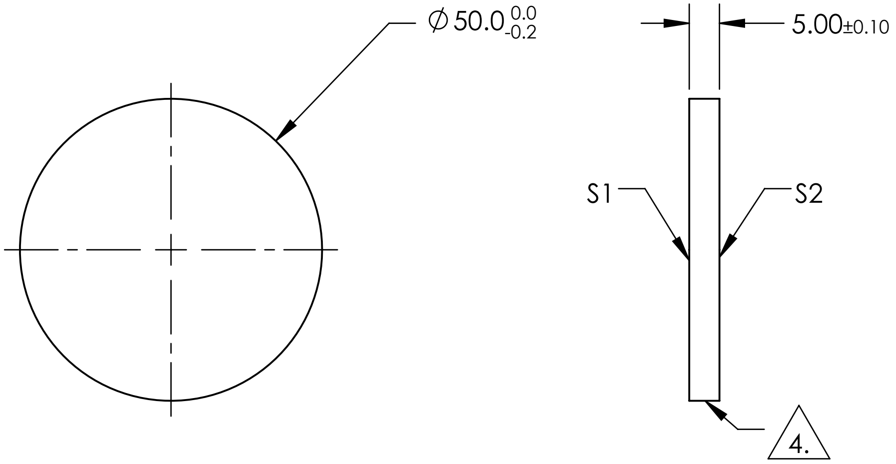
NOTES:

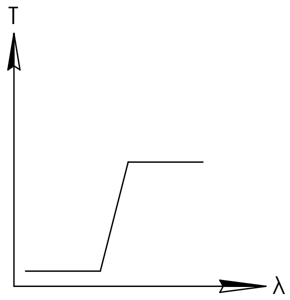
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
   S1: HARD DIELECTRIC SPUTTERED
   T(avg): ≥91% FROM 433 - 1650nm @ 0° AOI
   T(avg): ≤0.01% FROM 200 - 415nm @ 0° AOI
   T(abs): =50% FOR 425±4.25nm @ 0° AOI

   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

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

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE Ø50mm, 425nm, HIGH PERFORMANCE LONGPASS FILTER

ALL DIMS IN mm

DWG NO 84748

SHEET 1 OF 1

NOTES:

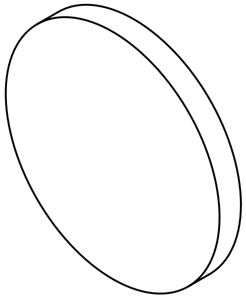
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
   S1: HARD DIELECTRIC SPUTTERED
   T(avg): ≥91% FROM 483 - 1650nm @ 0° AOI
   T(avg): ≤0.01% FROM 200 - 465nm @ 0° AOI
   T(abs): =50% FOR 475±4.75nm @ 0° AOI

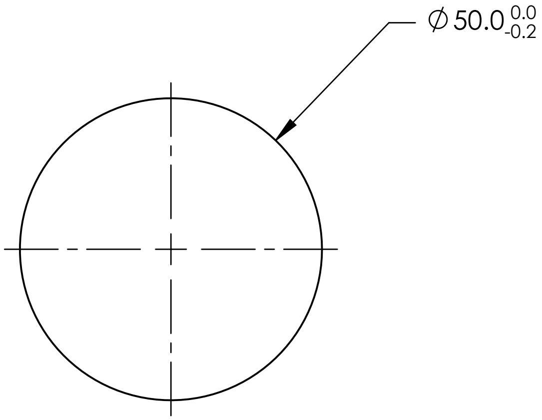
   S2:SINGLE LAYER MgF2

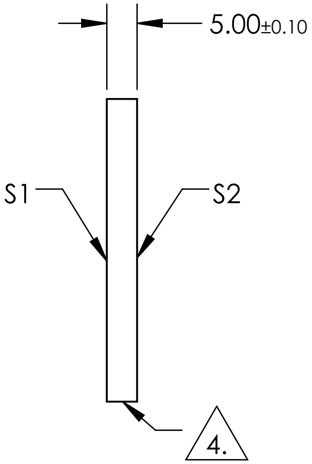
△4. FINE GRIND SURFACE

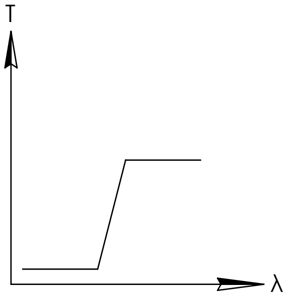
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
7. ROHS COMPLIANT

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

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: Ø50mm, 475nm, HIGH PERFORMANCE LONGPASS FILTER

ALL DIMS IN: mm

DWG NO: 84749

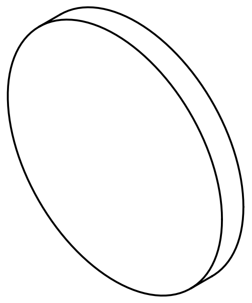
SHEET 1 OF 1

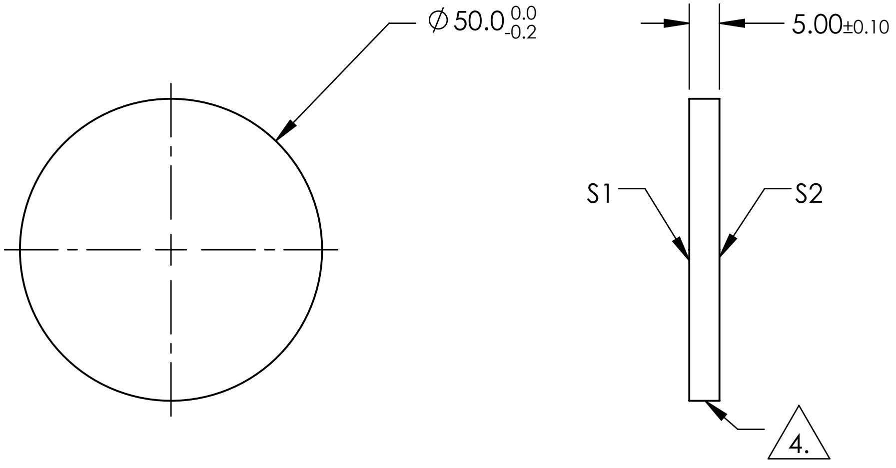
NOTES:

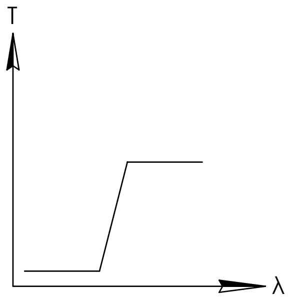
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
   S1: HARD DIELECTRIC SPUTTERED
   T(avg): ≥91% FROM 534 - 1650nm @ 0° AOI
   T(avg): ≤0.01% FROM 200 - 515nm @ 0° AOI
   T(abs): =50% FOR 525±5.25nm @ 0° AOI

   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

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

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE Ø50mm, 525nm, HIGH PERFORMANCE LONGPASS FILTER

ALL DIMS IN mm

DWG NO 84750

SHEET 1 OF 1

NOTES:

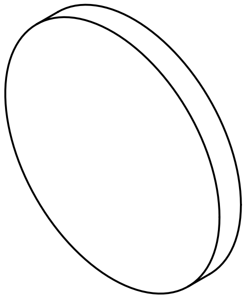
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
   S1: HARD DIELECTRIC SPUTTERED
   T(avg): ≥91% FROM 585 - 1650nm @ 0° AOI
   T(avg): ≤0.01% FROM 200 - 564nm @ 0° AOI
   T(abs): =50% FOR 575±5.75nm @ 0° AOI

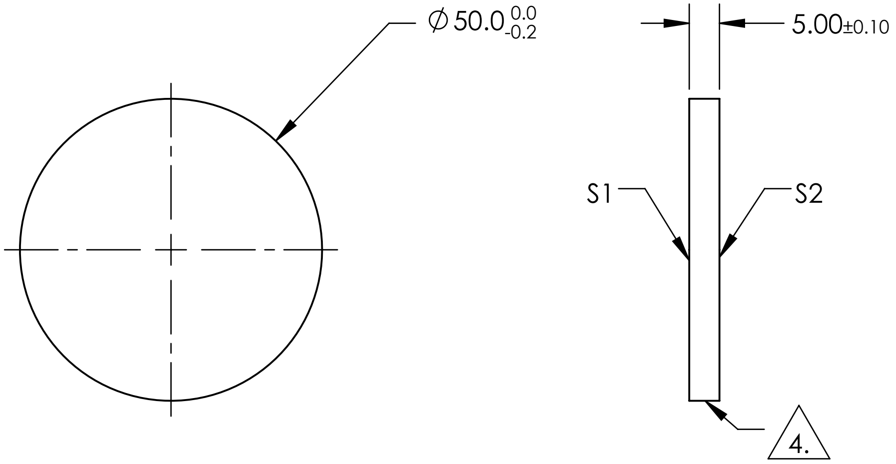
   S2:SINGLE LAYER MgF2

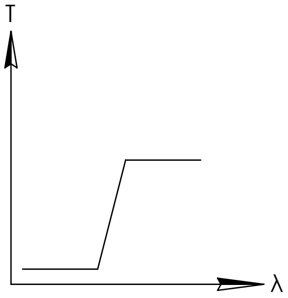
△4. FINE GRIND SURFACE

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:
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

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: Ø50mm, 575nm, HIGH PERFORMANCE
LONGPASS FILTER

ALL DIMS IN: mm

DWG NO: 84751

SHEET 1 OF 1

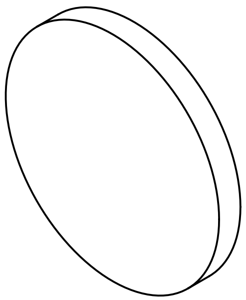
NOTES:

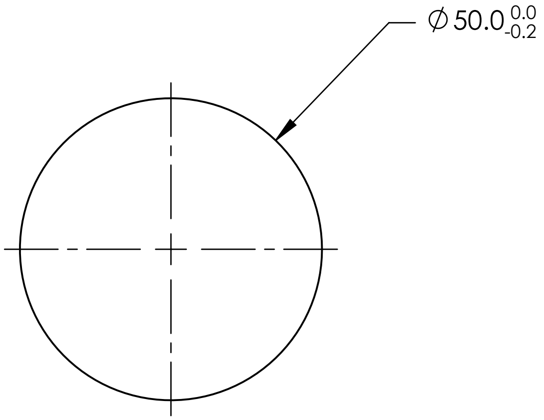
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
   S1: HARD DIELECTRIC SPUTTERED
   T(avg): ≥91% FROM 635 - 1650nm @ 0° AOI
   T(avg): ≤0.01% FROM 200 - 613nm @ 0° AOI
   T(abs): =50% FOR 625±6.25nm @ 0° AOI

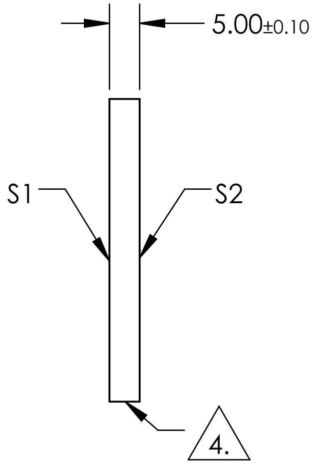
   S2:SINGLE LAYER MgF2

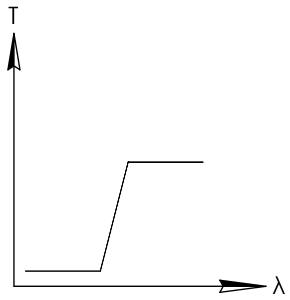
4. FINE GRIND SURFACE
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
7. ROHS COMPLIANT

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING









LONGPASS FILTER

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

Edmund Optics®

THIRD ANGLE PROJECTION		TITLE	Ø50mm, 625nm, HIGH PERFORMANCE LONGPASS FILTER
ALL DIMS IN	mm	DWG NO	84752

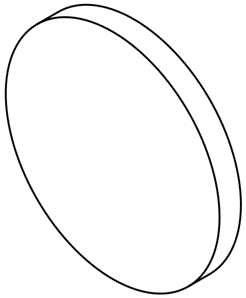
SHEET
1 OF 1

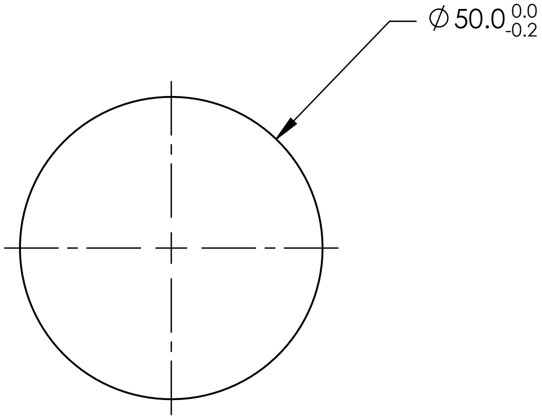
NOTES:

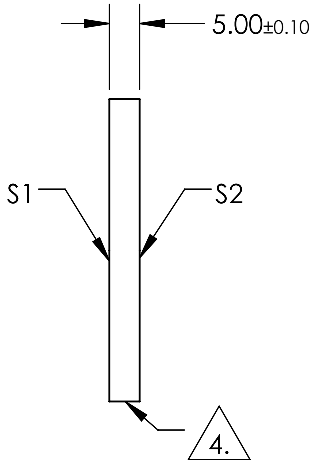
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
   S1: HARD DIELECTRIC SPUTTERED
   T(avg): ≥91% FROM 685 - 1650nm @ 0° AOI
   T(avg): ≤0.01% FROM 200 - 662nm @ 0° AOI
   T(abs): =50% FOR 675±6.75nm @ 0° AOI

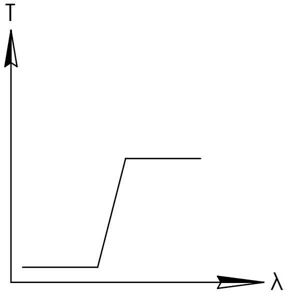
   S2:SINGLE LAYER MgF2
4. FINE GRIND SURFACE
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
7. ROHS COMPLIANT

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

Edmund Optics®

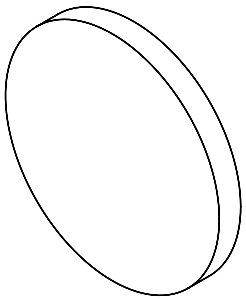
THIRD ANGLE PROJECTION		TITLE	Ø50mm, 675nm, HIGH PERFORMANCE LONGPASS FILTER
ALL DIMS IN	mm	DWG NO	84753
SHEET	1 OF 1		

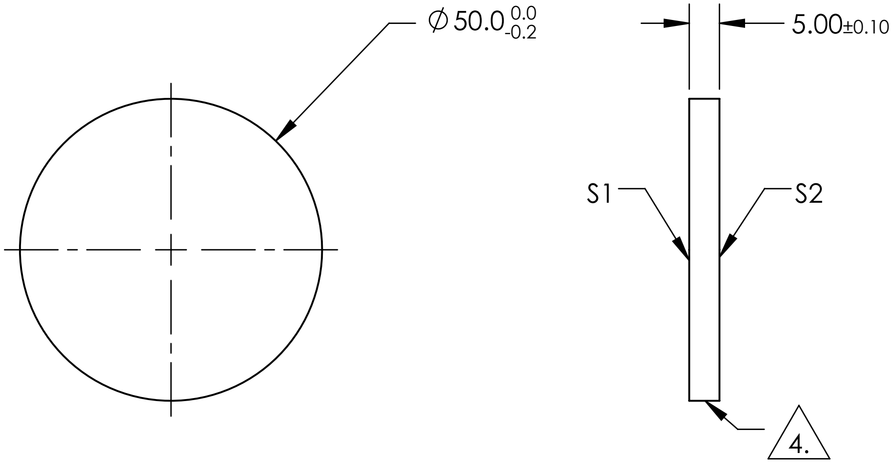
FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

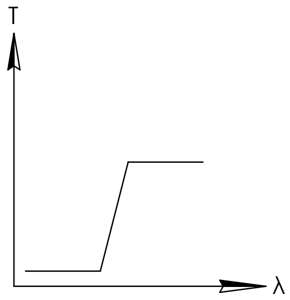
NOTES:

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 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

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

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: Ø50mm, 400nm, HIGH PERFORMANCE LONGPASS FILTER

ALL DIMS IN: mm

DWG NO: 84754

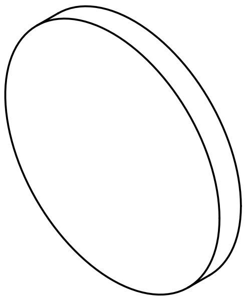
SHEET 1 OF 1

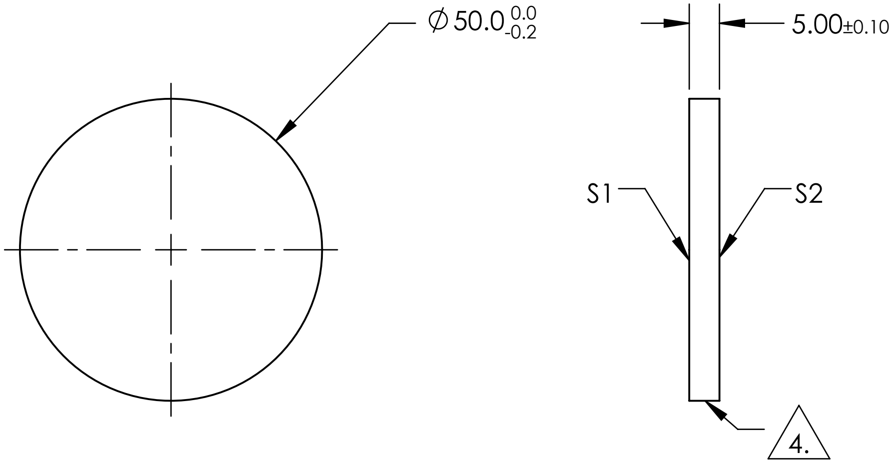
FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

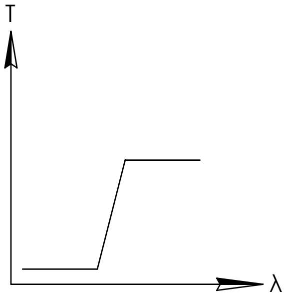
NOTES:

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 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







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

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: Ø50mm, 450nm, HIGH PERFORMANCE LONGPASS FILTER

ALL DIMS IN: mm

DWG NO: 84755

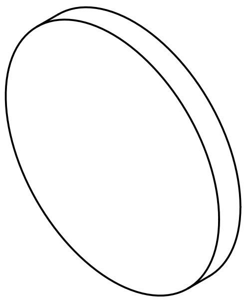
SHEET 1 OF 1

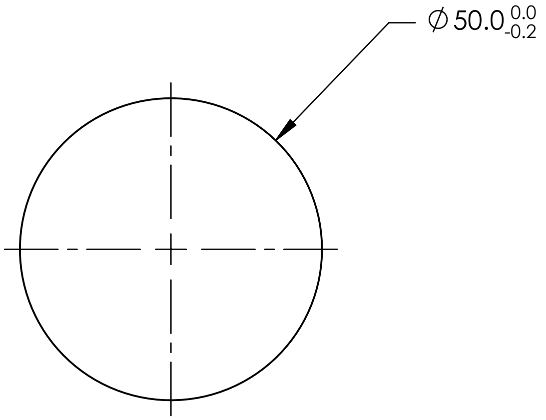
NOTES:

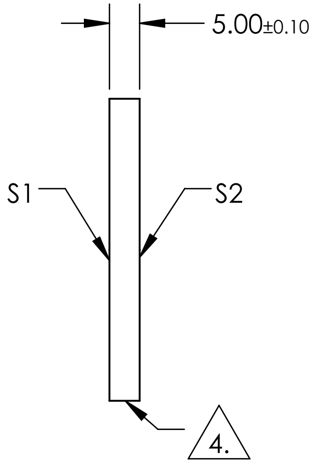
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
    S1: HARD DIELECTRIC SPUTTERED
        T(avg): ≥91% FROM 508 - 1650nm @ 0° AOI
        T(avg): ≤0.01% FROM 200 - 490nm @ 0° AOI
        T(abs): =50% FOR 500±5nm @ 0° AOI

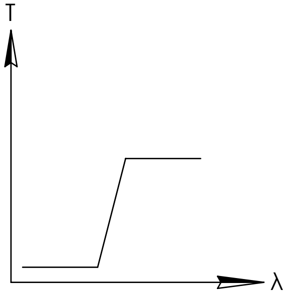
    S2:SINGLE LAYER MgF2
4. FINE GRIND SURFACE
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
7. ROHS COMPLIANT

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

Edmund Optics®

THIRD ANGLE PROJECTION		TITLE	Ø50mm, 500nm, HIGH PERFORMANCE LONGPASS FILTER	
ALL DIMS IN	mm	DWG NO	84756	SHEET 1 OF 1

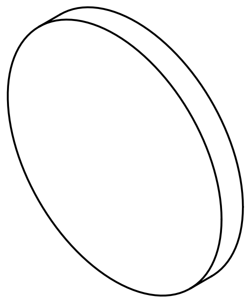
NOTES:

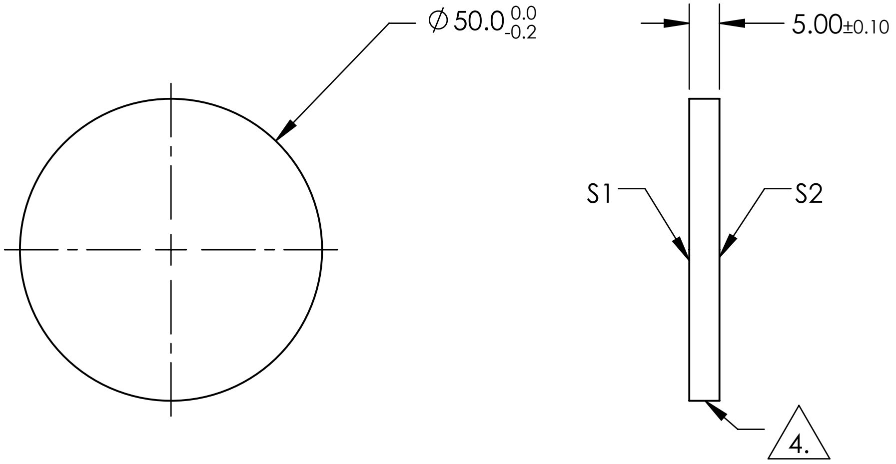
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
    S1: HARD DIELECTRIC SPUTTERED
        T(avg): ≥91% FROM 560 - 1650nm @ 0° AOI
        T(avg): ≤0.01% FROM 200 - 539nm @ 0° AOI
        T(abs): =50% FOR 550±5.5nm @ 0° AOI

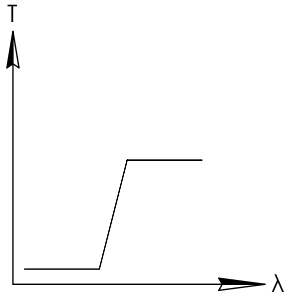
    S2:SINGLE LAYER MgF2

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:
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

Edmund Optics®

THIRD ANGLE PROJECTION		TITLE	Ø50mm, 550nm, HIGH PERFORMANCE LONGPASS FILTER
ALL DIMS IN	mm	DWG NO	84757

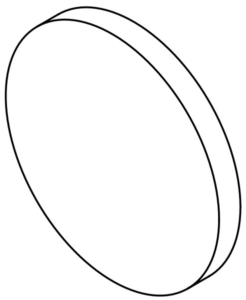
SHEET 1 OF 1

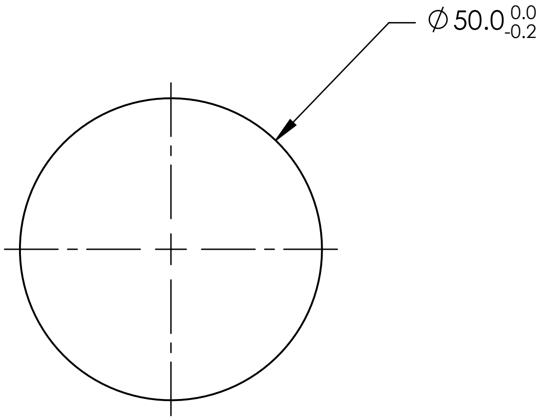
NOTES:

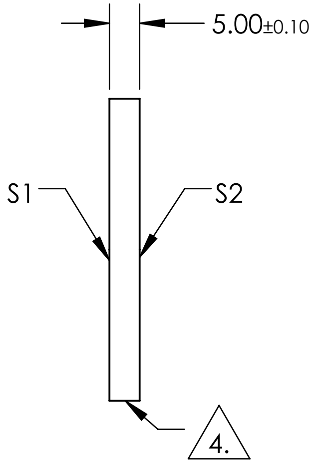
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
    S1: HARD DIELECTRIC SPUTTERED
        T(avg): ≥91% FROM 610 - 1650nm @ 0° AOI
        T(avg): ≤0.01% FROM 200 - 588nm @ 0° AOI
        T(abs): =50% FOR 600±6nm @ 0° AOI

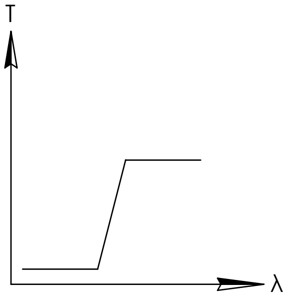
    S2:SINGLE LAYER MgF2
4. FINE GRIND SURFACE
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
7. ROHS COMPLIANT

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

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: Ø50mm, 600nm, HIGH PERFORMANCE LONGPASS FILTER

ALL DIMS IN: mm

DWG NO: 84758

SHEET 1 OF 1

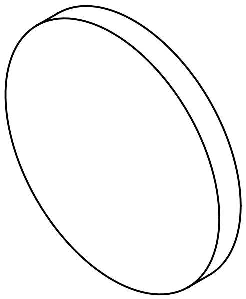
NOTES:

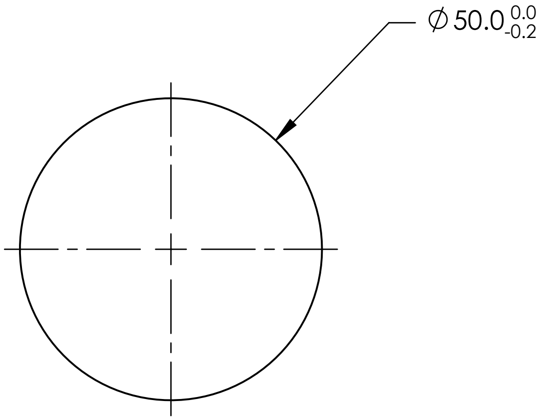
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
   S1: HARD DIELECTRIC SPUTTERED
   T(avg): ≥91% FROM 660 - 1650nm @ 0° AOI
   T(avg): ≤0.01% FROM 200 - 637nm @ 0° AOI
   T(abs): =50% FOR 650±6.5nm @ 0° AOI

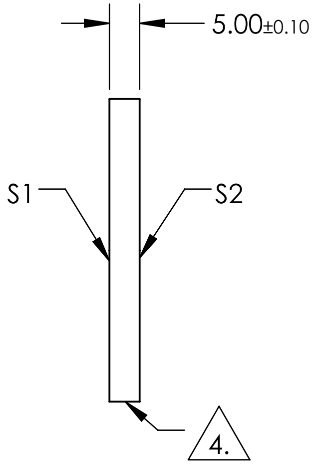
   S2:SINGLE LAYER MgF2

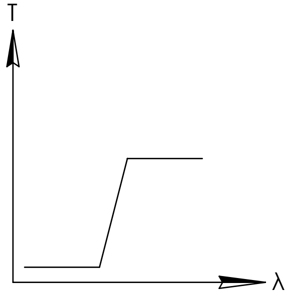
4. FINE GRIND SURFACE
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
7. ROHS COMPLIANT

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

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: Ø50mm, 650nm, HIGH PERFORMANCE LONGPASS FILTER

ALL DIMS IN: mm

DWG NO: 84759

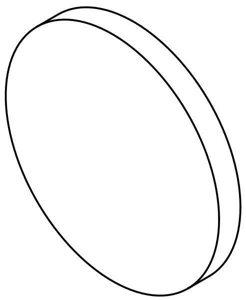
SHEET 1 OF 1

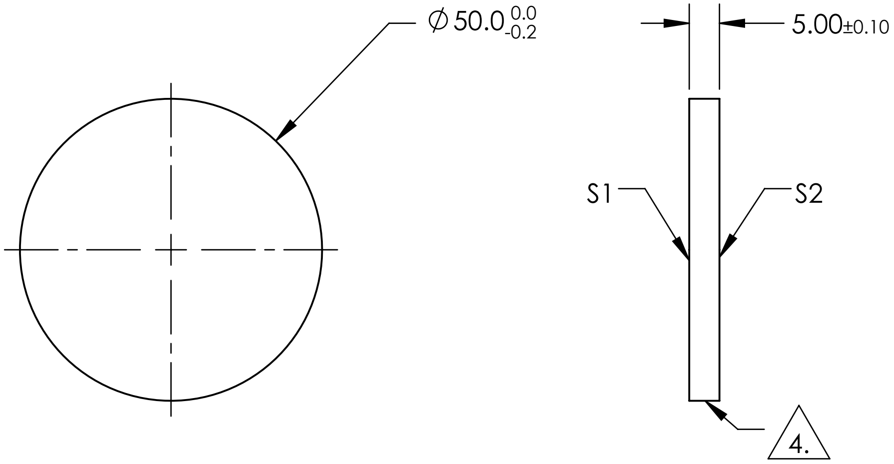
NOTES:

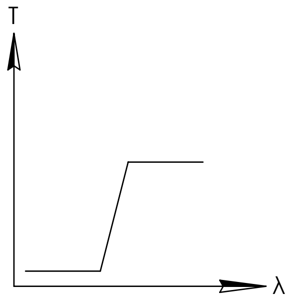
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
   S1: HARD DIELECTRIC SPUTTERED
   T(avg): ≥91% FROM 710 - 1650nm @ 0° AOI
   T(avg): ≤0.01% FROM 200 - 686nm @ 0° AOI
   T(abs): =50% FOR 700±7nm @ 0° AOI

   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

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING







SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

LONGPASS FILTER

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

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE	Ø50mm, 700nm, HIGH PERFORMANCE LONGPASS FILTER
ALL DIMS IN	mm
DWG NO	84760
SHEET	1 OF 1