

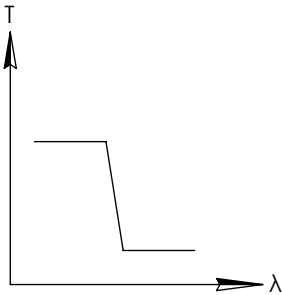
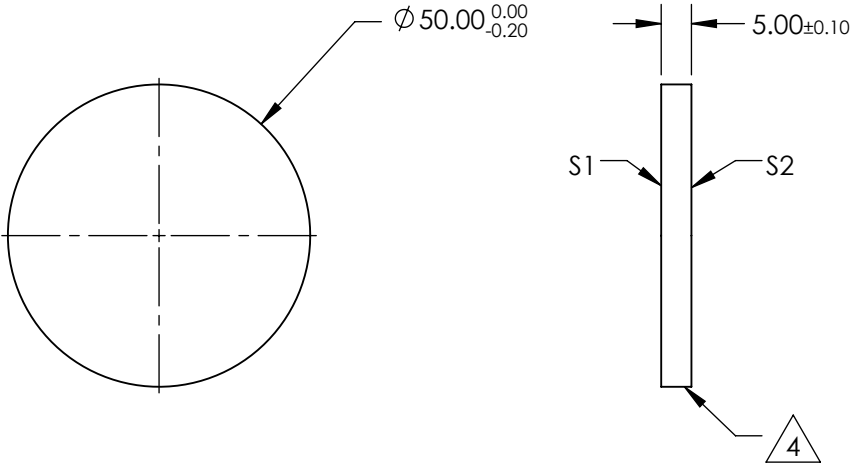
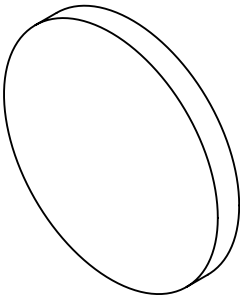
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN  $\pm 3$  arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg):  $>85\%$  @ AOI  $0^\circ$  FROM 250 - 410nm  
T(avg):  $<1\%$  @ AOI  $0^\circ$  FROM 445 - 510nm  
T(avg):  $\approx 50\%$  FOR AOI  $0^\circ$  @  $425 \pm 2$ 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

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

 **Edmund Optics®**

TITLE	OD2, Ø50mm, 425nm, SHORTPASS FILTER		
DWG NO	64608	SHEET 1 OF 1	

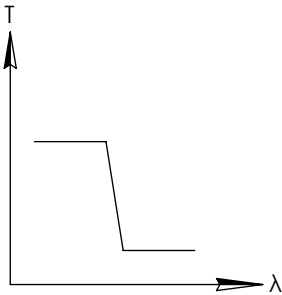
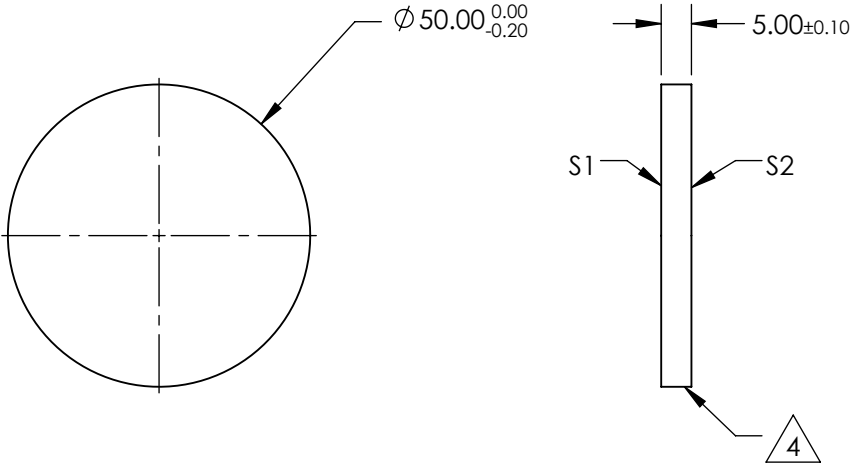
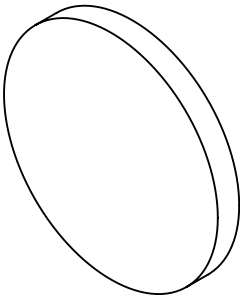
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN  $\pm 3$  arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg):  $>85\%$  @ AOI  $0^\circ$  FROM 250 - 455nm  
T(avg):  $<1\%$  @ AOI  $0^\circ$  FROM 495 - 570nm  
T(avg):  $\approx 50\%$  FOR AOI  $0^\circ$  @  $475 \pm 2$ nm  
  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

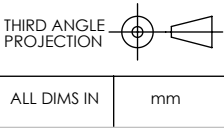
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION P-V @ 632.8nm  $1/10 \lambda$
7. ROHS COMPLIANT



SHORTPASS FILTER

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®**

TITLE	OD2, Ø50mm, 475nm, SHORTPASS FILTER
DWG NO	64609
SHEET	1 OF 1

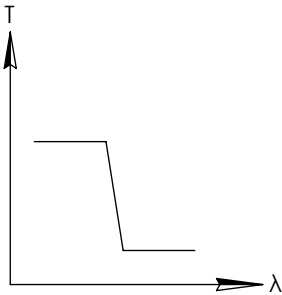
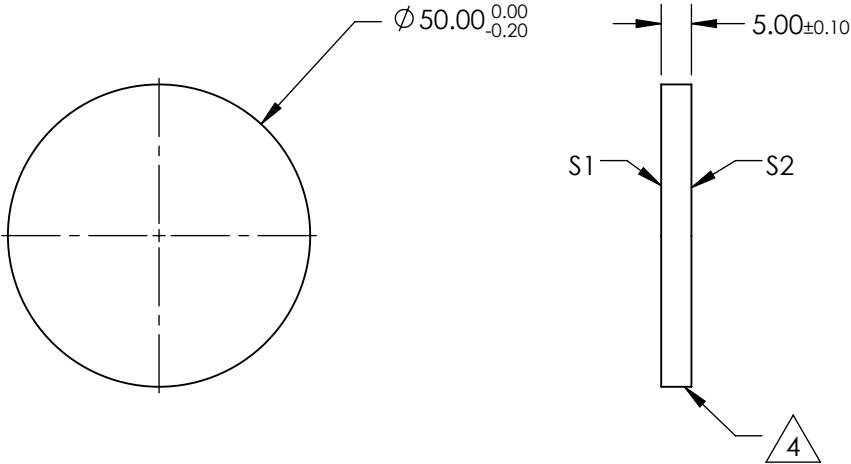
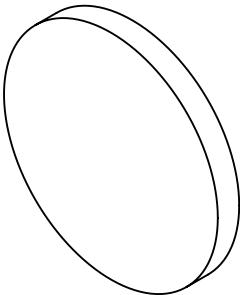
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

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

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

 **Edmund Optics®**

TITLE	OD2, Ø50mm, 525nm, SHORTPASS FILTER		
DWG NO	64610	SHEET 1 OF 1	

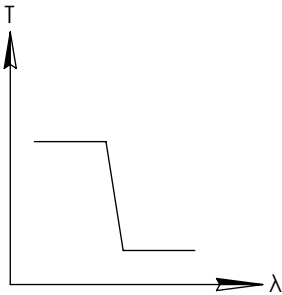
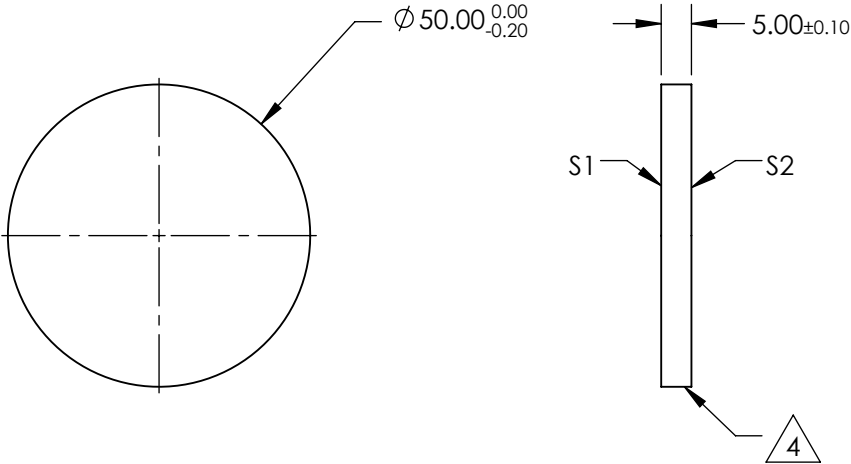
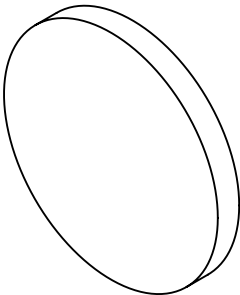
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN  $\pm 3$  arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg):  $>85\%$  @ AOI  $0^\circ$  FROM 400 - 555nm  
T(avg):  $<1\%$  @ AOI  $0^\circ$  FROM 600 - 750nm  
T(avg):  $\approx 50\%$  FOR AOI  $0^\circ$  @  $575 \pm 2$ 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 @  $632.8\text{nm}$   $1/10\lambda$
7. ROHS COMPLIANT

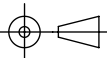


SHORTPASS FILTER

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	80%	80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE  
PROJECTION



ALL DIMS IN

mm



**Edmund Optics®**

TITLE

OD2, Ø50mm, 575nm, SHORTPASS FILTER

DWG NO

64611

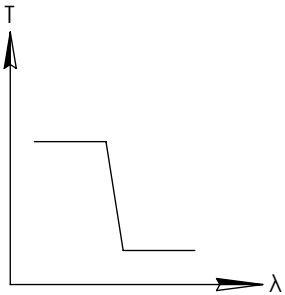
SHEET  
1 OF 1

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN  $\pm 3$  arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg):  $>85\%$  @ AOI  $0^\circ$  FROM 400 - 605nm  
T(avg):  $<1\%$  @ AOI  $0^\circ$  FROM 650 - 820nm  
T(avg):  $=50\%$  FOR AOI  $0^\circ$  @  $625\pm 2$ nm  
  
S2: SINGLE LAYER MgF2

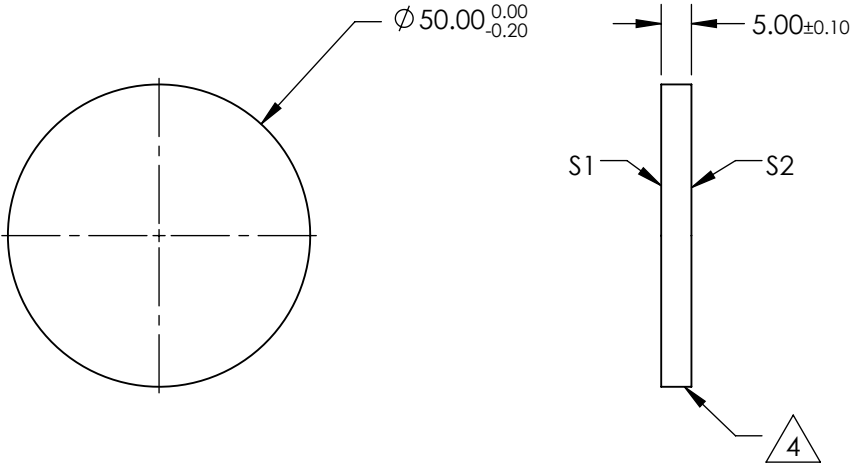
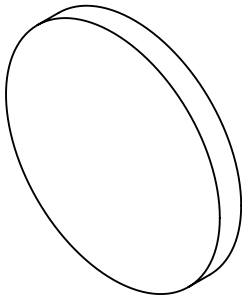
4. FINE GRIND SURFACE

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

**FOR INFORMATION ONLY:  
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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	80%	80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE

OD2, Ø50mm, 625nm, SHORTPASS FILTER

DWG NO

64612

SHEET  
1 OF 1

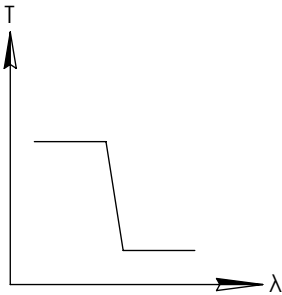
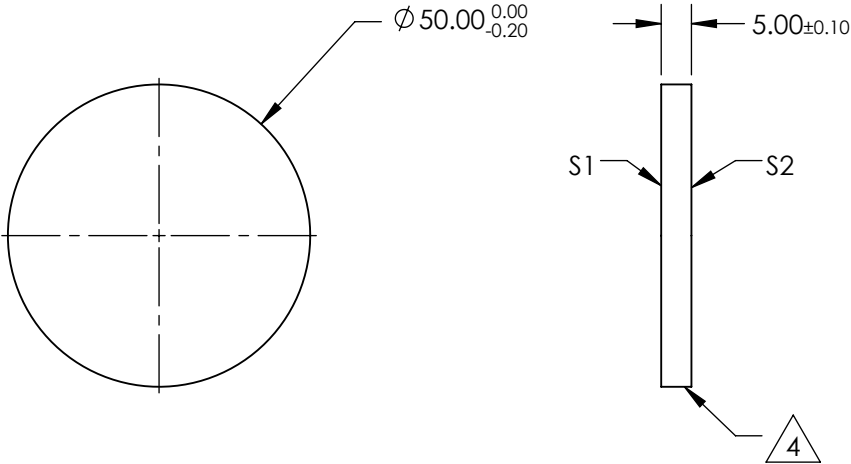
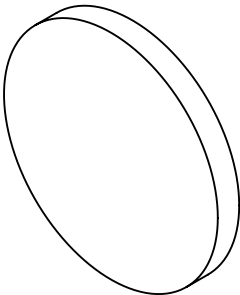
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

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

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 OD2, Ø50mm, 675nm, SHORTPASS FILTER

DWG NO 64613

SHEET 1 OF 1

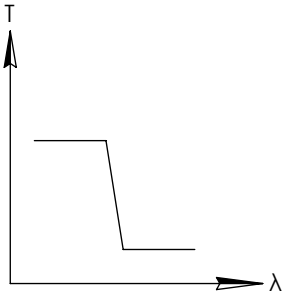
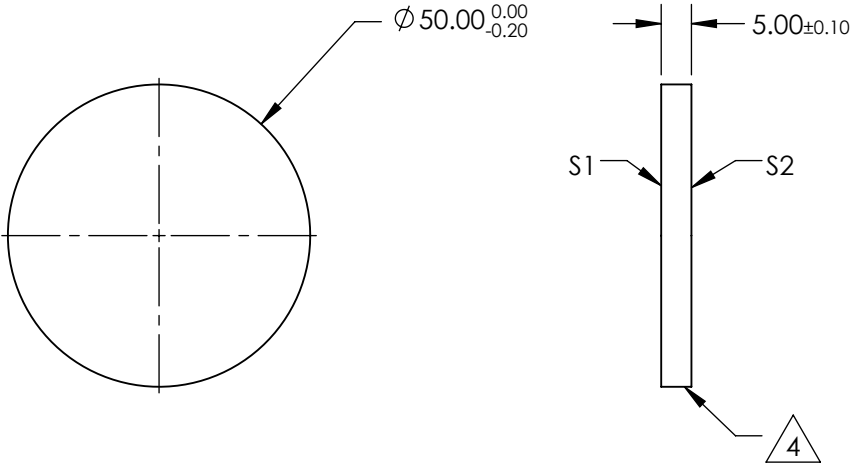
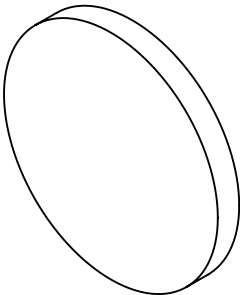
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

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

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 OD2, Ø50mm, 400nm, SHORTPASS FILTER

DWG NO 64661

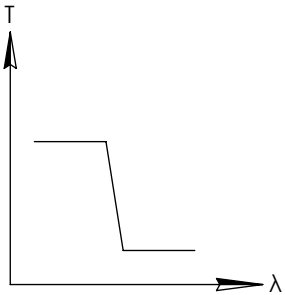
SHEET 1 OF 1

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN  $\pm 3$  arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg):  $>85\%$  @ AOI  $0^\circ$  FROM 250 - 430nm  
T(avg):  $<1\%$  @ AOI  $0^\circ$  FROM 470 - 545nm  
T(avg):  $\approx 50\%$  FOR AOI  $0^\circ$  @  $450 \pm 2$ nm  
  
S2: SINGLE LAYER MgF2

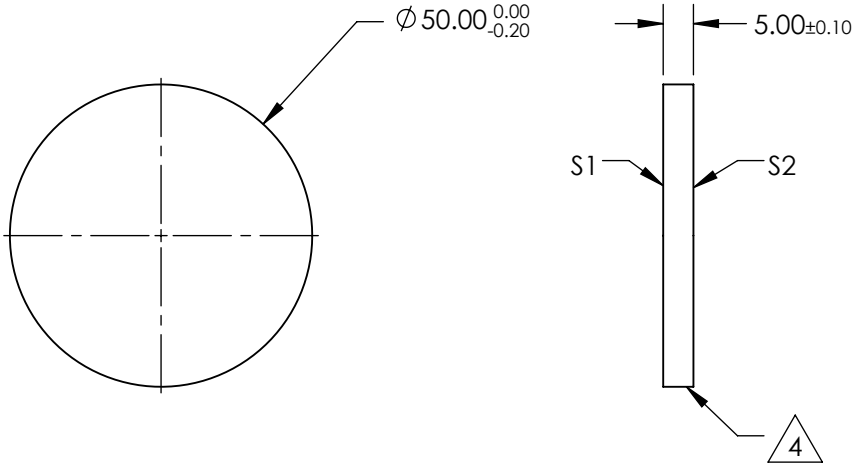
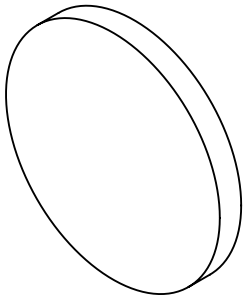
4. FINE GRIND SURFACE

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

**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
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	80%	80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED



ALL DIMS IN mm

**Edmund Optics®**

TITLE OD2, Ø50mm, 450nm, SHORTPASS FILTER

DWG NO 64662

SHEET  
1 OF 1



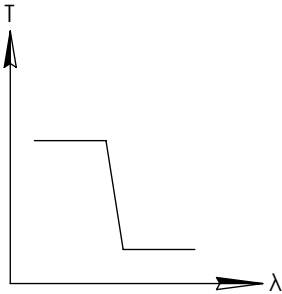
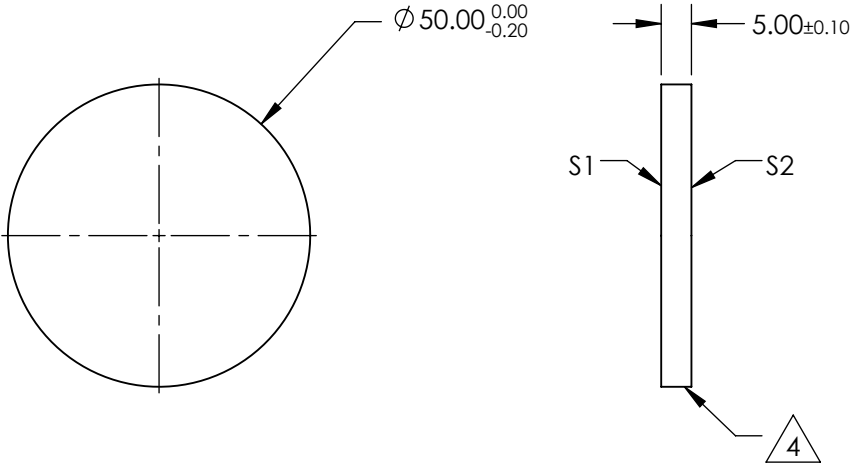
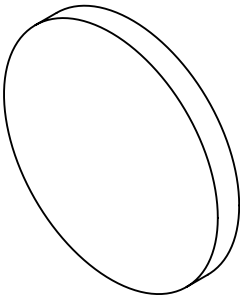
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

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

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 OD2, Ø50mm, 500nm, SHORTPASS FILTER

DWG NO 64663

SHEET  
1 OF 1

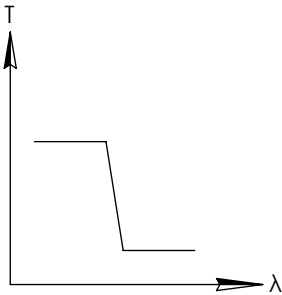
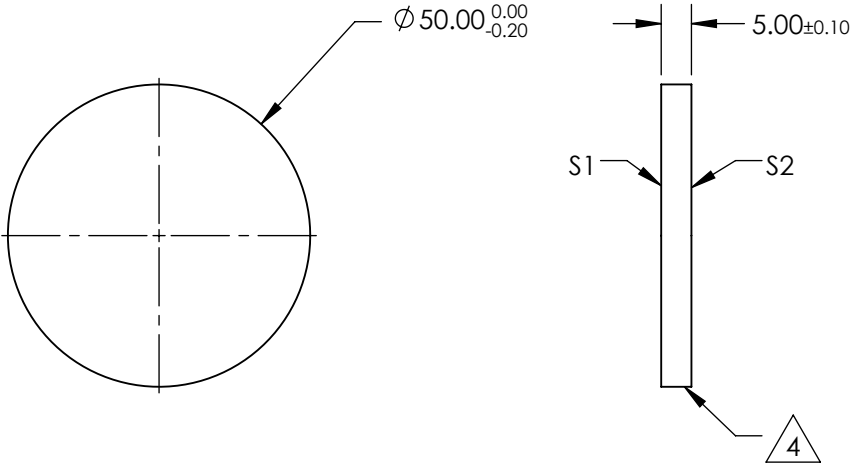
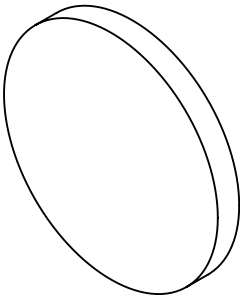
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

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

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	OD2, Ø50mm, 550nm, SHORTPASS FILTER
		DWG NO	64664
		SHEET 1 OF 1	

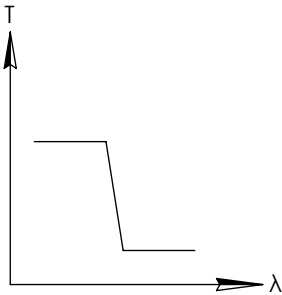
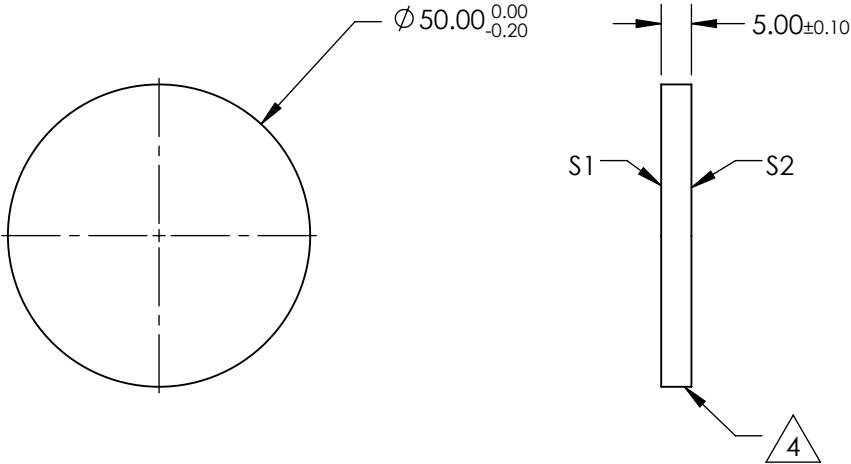
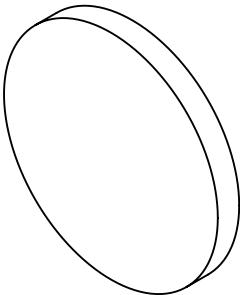
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN  $\pm 3$  arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg):  $>85\%$  @ AOI  $0^\circ$  FROM 400 - 580nm  
T(avg):  $<1\%$  @ AOI  $0^\circ$  FROM 625 - 795nm  
T(avg):  $\approx 50\%$  FOR AOI  $0^\circ$  @  $600 \pm 2$ nm  
  
S2: SINGLE LAYER MgF2

**4.** FINE GRIND SURFACE

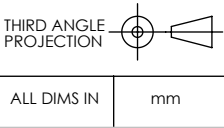
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION P-V @ 632.8nm  $1/10 \lambda$
7. ROHS COMPLIANT



SHORTPASS FILTER

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



TITLE	OD2, Ø50mm, 600nm, SHORTPASS FILTER		
DWG NO	64665	SHEET 1 OF 1	

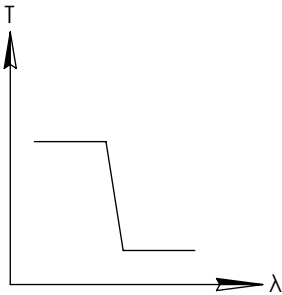
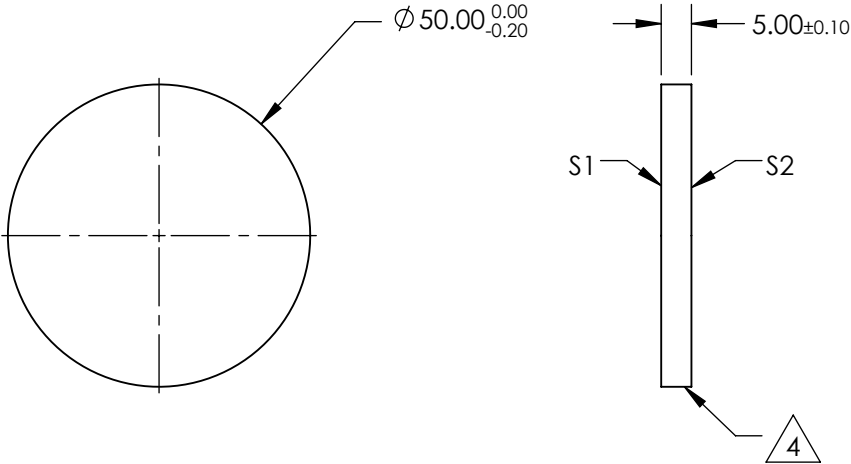
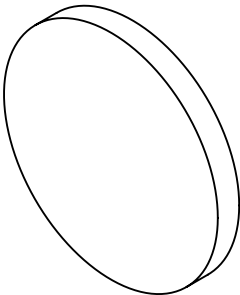
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

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

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 OD2, Ø50mm, 650nm, SHORTPASS FILTER

DWG NO 64666

SHEET 1 OF 1

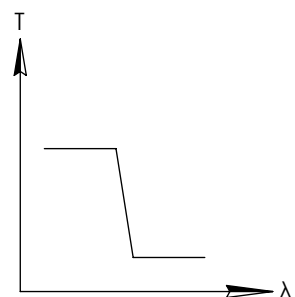
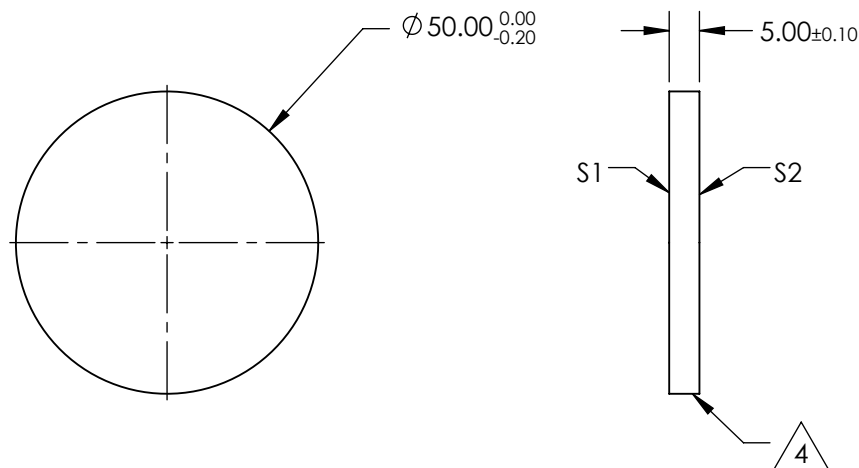
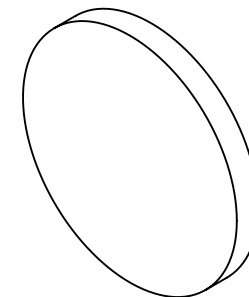
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN  $\pm 3$  arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg):  $>85\%$  @ AOI  $0^\circ$  FROM 400 - 680nm  
T(avg):  $<1\%$  @ AOI  $0^\circ$  FROM 725 - 900nm  
T(avg):  $\approx 50\%$  FOR AOI  $0^\circ$  @  $700 \pm 2$ nm  
S2: SINGLE LAYER MgF2

 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

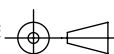


SHORTPASS FILTER

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

 **Edmund Optics®**

TITLE

OD2, Ø50mm, 700nm, SHORTPASS FILTER

DWG NO

64667

SHEET  
1 OF 1