

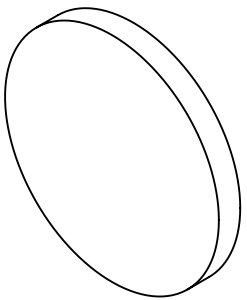
NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 420 - 2000nm  
T(AVG): < 1% FROM 200 - 375nm  
T(ABS): = 50% 400nm @ 45° AOI

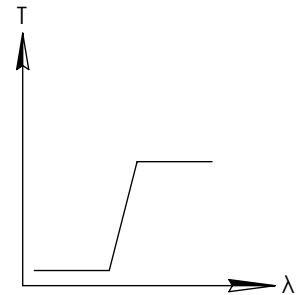
S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

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

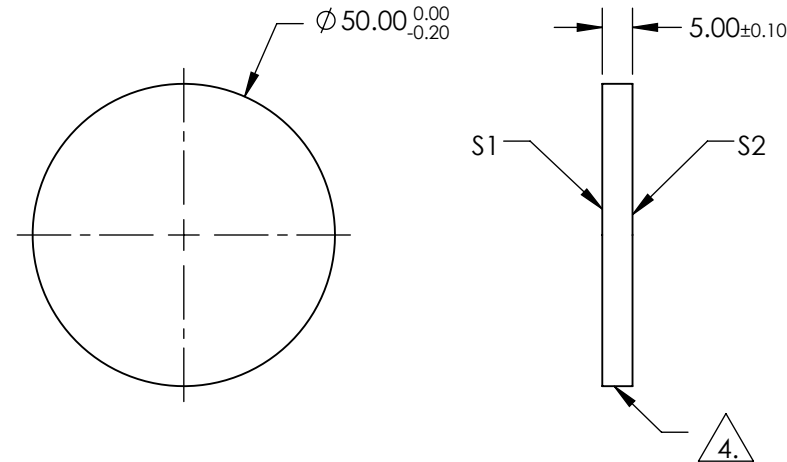


4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. ROHS COMPLIANT



LONGPASS FILTER



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



THIRD ANGLE  
PROJECTION

ALL DIMS IN

mm

TITLE

OD2, Ø50mm, 400nm LONGPASS FILTER

DWG NO

64697

SHEET  
1 OF 1

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

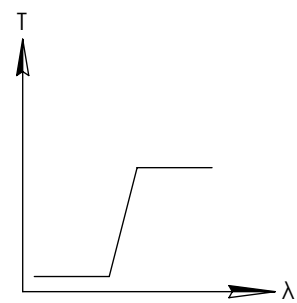
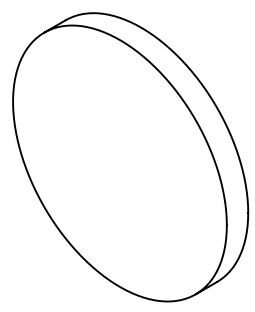
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 470 - 2000nm  
T(AVG): < 1% FROM 200 - 430nm  
T(ABS): = 50% 450nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

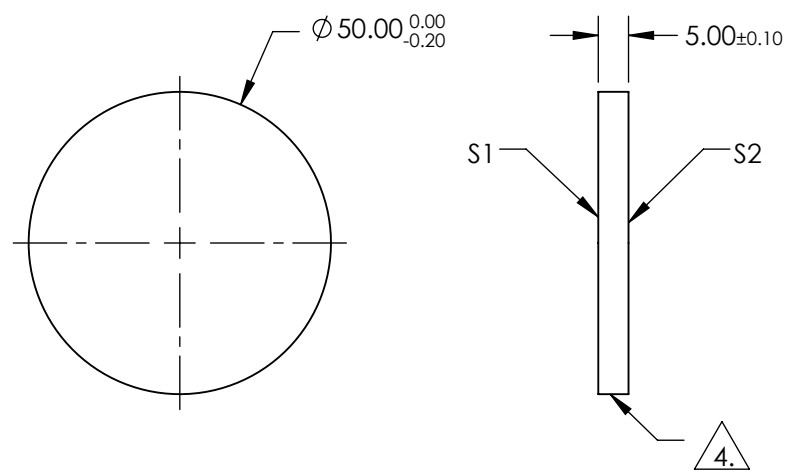
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 450nm LONGPASS FILTER		
DWG NO	64698	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

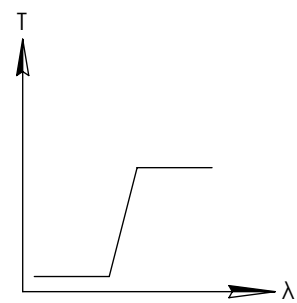
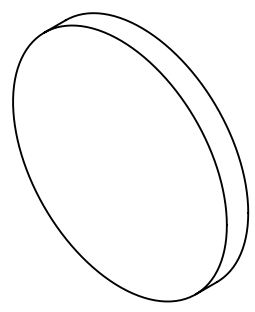
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 520 - 2000nm  
T(AVG): < 1% FROM 200 - 480nm  
T(ABS): = 50% 500nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

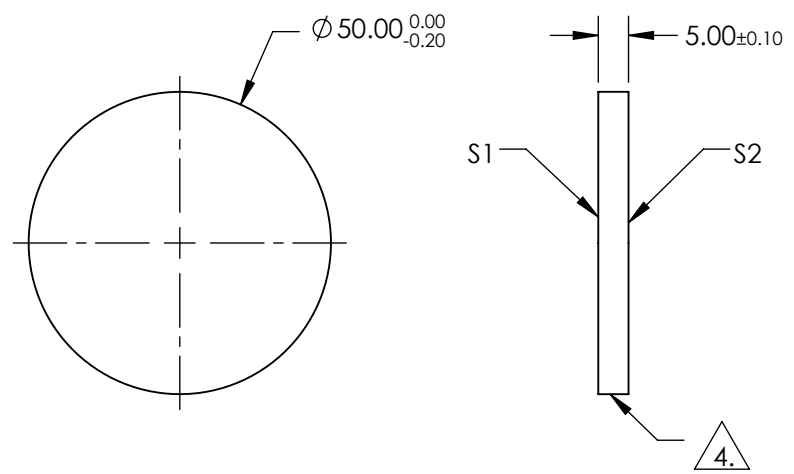
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 500nm LONGPASS FILTER		
DWG NO	64699	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

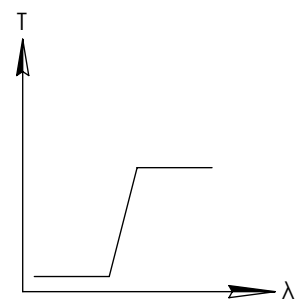
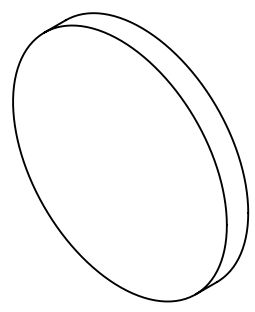
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 575 - 2000nm  
T(AVG): < 1% FROM 415 - 515nm  
T(ABS): = 50% 550nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

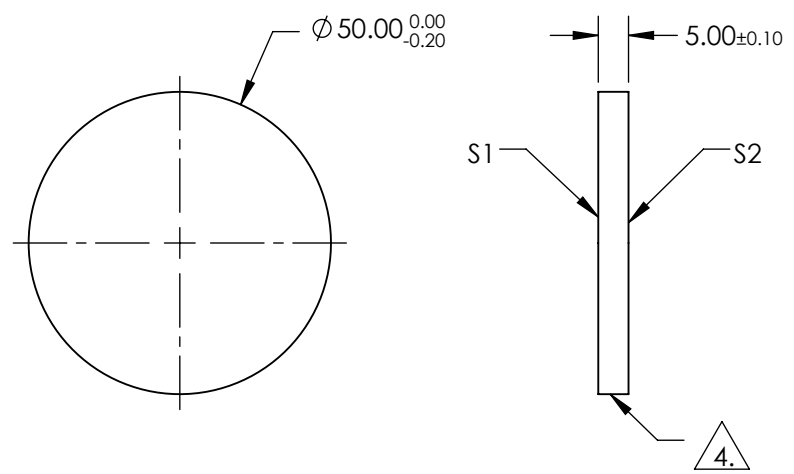
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

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ALL DIMS IN mm

TITLE	OD2, Ø50mm, 550nm LONGPASS FILTER		
DWG NO	64700	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

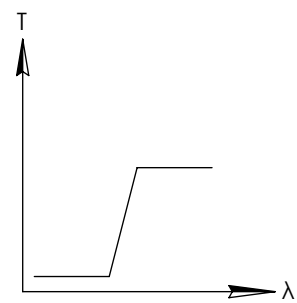
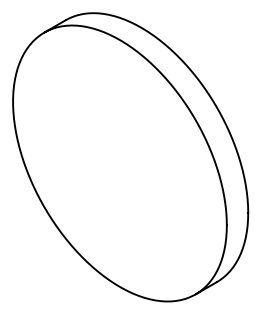
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 625 - 2000nm  
T(AVG): < 1% FROM 460 - 570nm  
T(ABS): = 50% 600nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

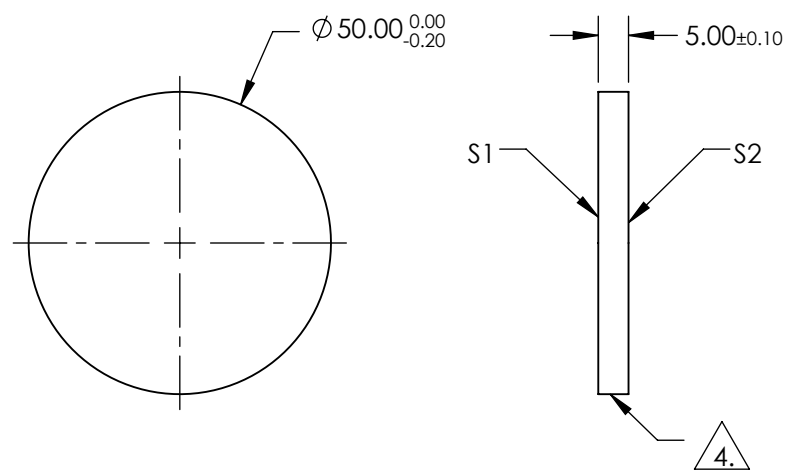
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 600nm LONGPASS FILTER		
DWG NO	64701	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

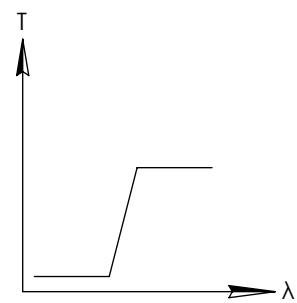
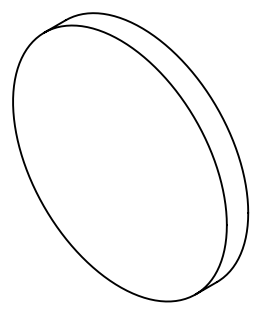
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 675 - 2000nm  
T(AVG): < 1% FROM 495 - 610nm  
T(ABS): = 50% 650nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

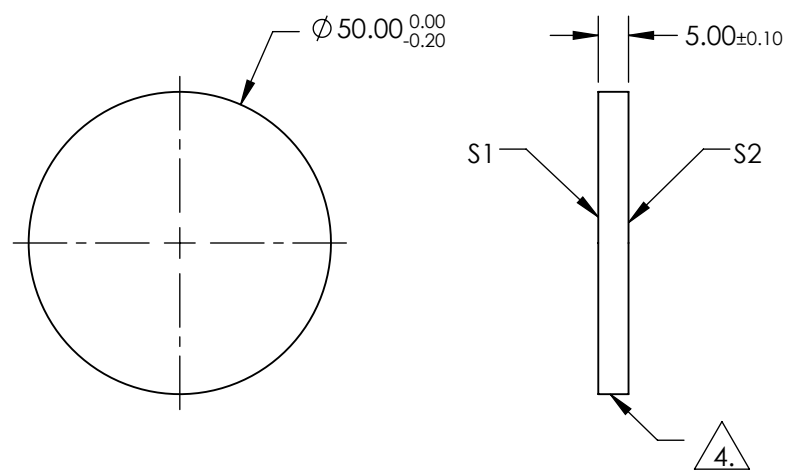
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 650nm LONGPASS FILTER		
DWG NO	64702	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

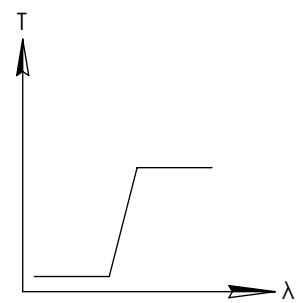
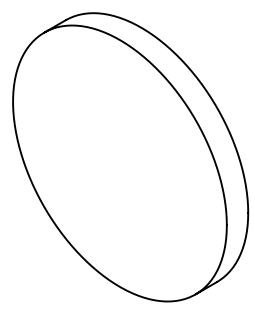
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 725 - 2000nm  
T(AVG): < 1% FROM 535 - 660nm  
T(ABS): = 50% 700nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

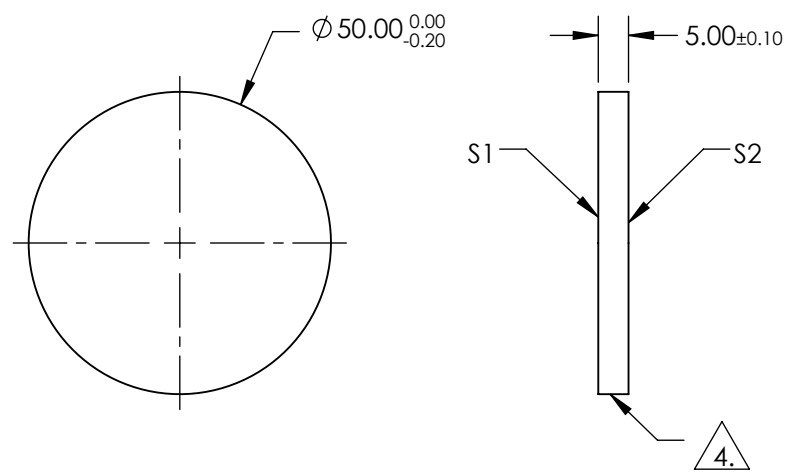
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 700nm LONGPASS FILTER		
DWG NO	64703	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

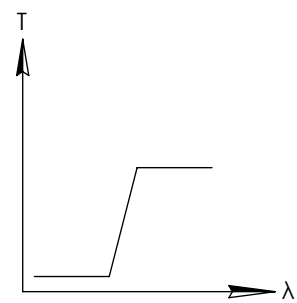
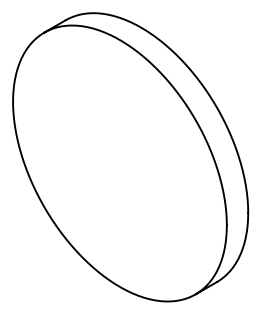
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 780 - 2000nm  
T(AVG): < 1% FROM 565 - 715nm  
T(ABS): = 50% 750nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

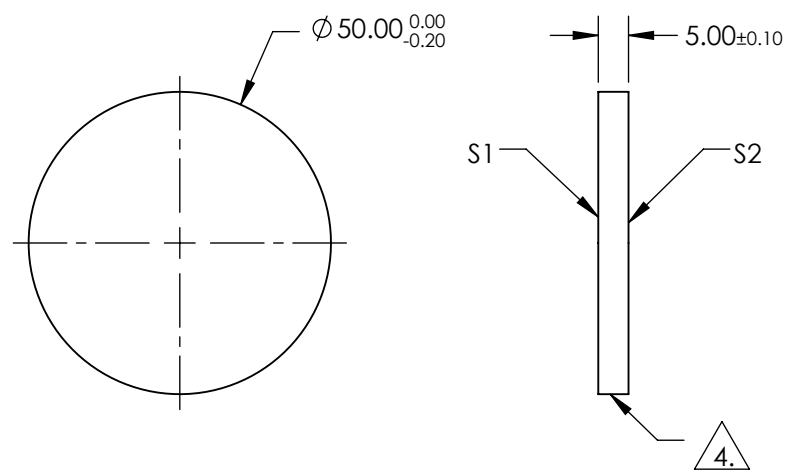
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 750nm LONGPASS FILTER		
DWG NO	64704	SHEET 1 OF 1	



NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

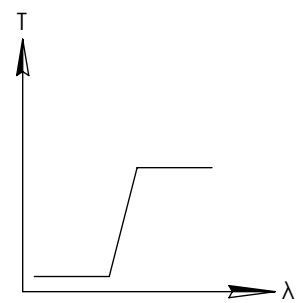
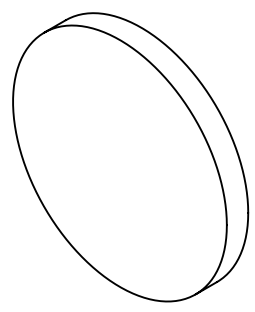
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 830 - 2000nm  
T(AVG): < 1% FROM 600 - 760nm  
T(ABS): = 50% 800nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

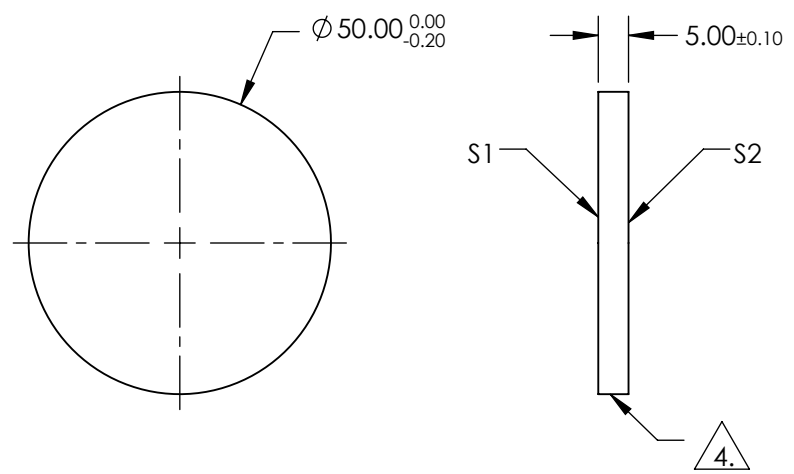
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 800nm LONGPASS FILTER		
DWG NO	64705	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

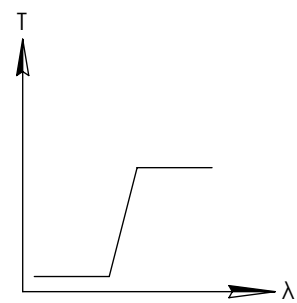
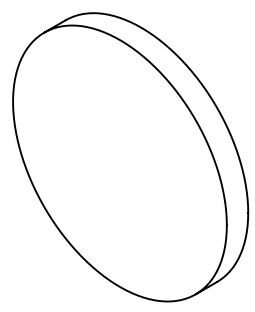
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 880 - 2000nm  
T(AVG): < 1% FROM 635 - 805nm  
T(ABS): = 50% 850nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

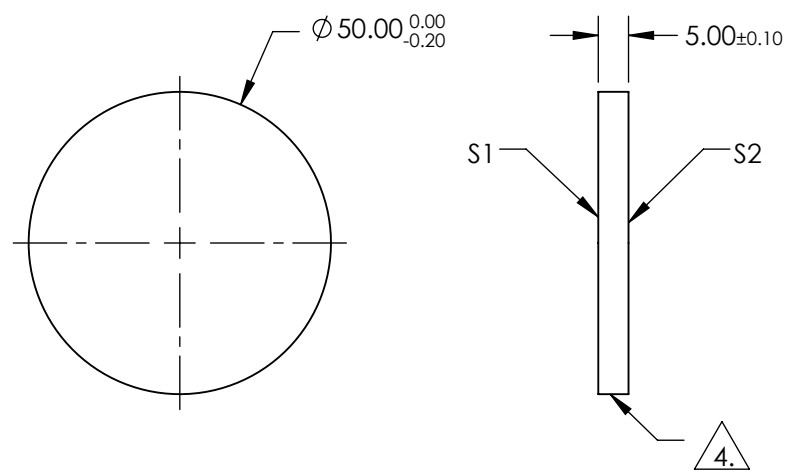
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 850nm LONGPASS FILTER		
DWG NO	64706	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

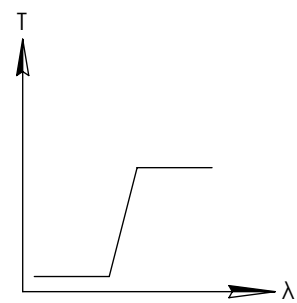
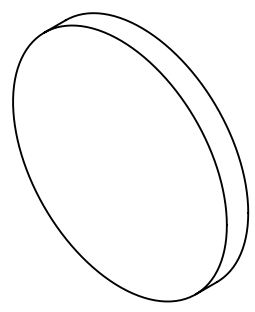
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 935 - 2000nm  
T(AVG): < 1% FROM 675 - 855nm  
T(ABS): = 50% 900nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

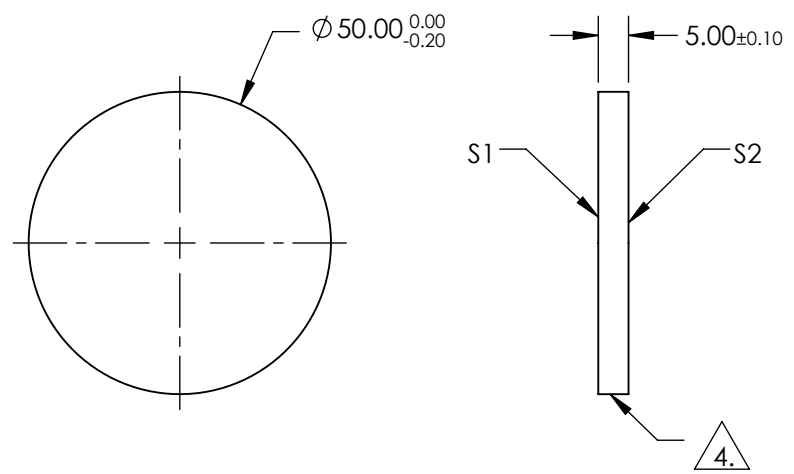
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 900nm LONGPASS FILTER		
DWG NO	64707	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

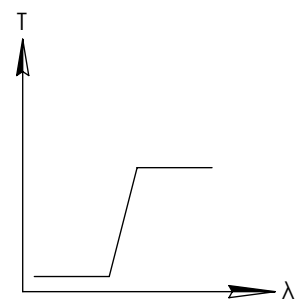
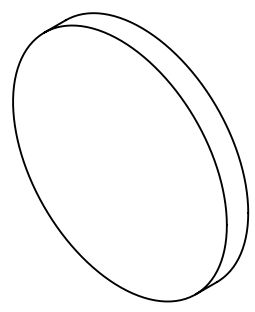
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 985 - 2000nm  
T(AVG): < 1% FROM 715 - 900nm  
T(ABS): = 50% 950nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

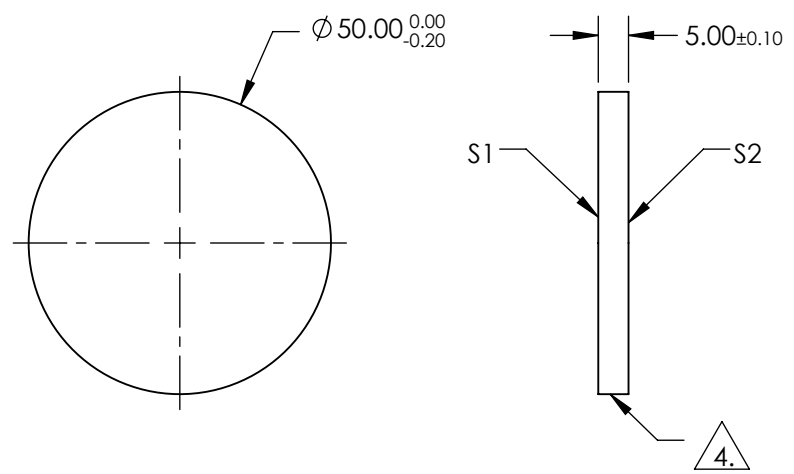
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 950nm LONGPASS FILTER		
DWG NO	64708	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

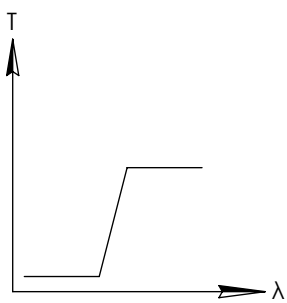
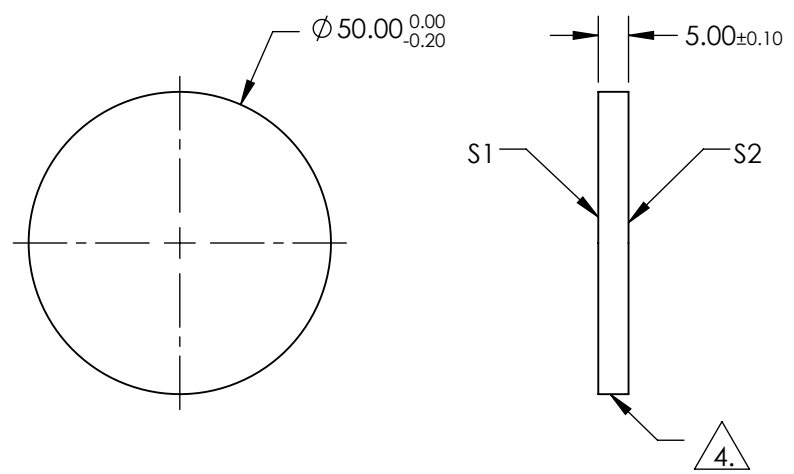
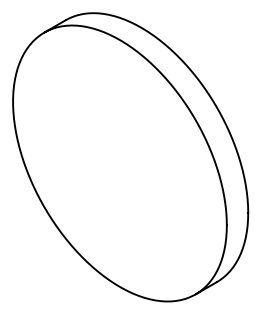
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1035 - 2000nm  
T(AVG): < 1% FROM 750 - 950nm  
T(ABS): = 50% 1000nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 1000nm LONGPASS FILTER		
DWG NO	64709	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

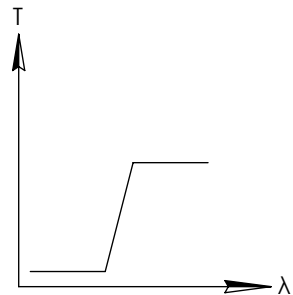
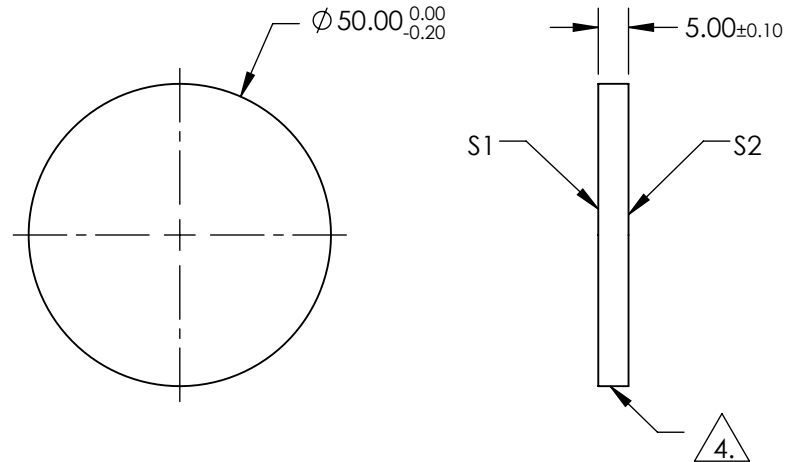
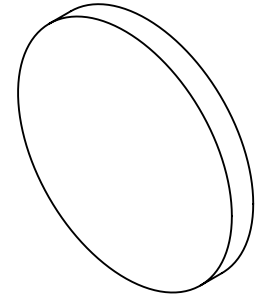
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1085 - 2000nm  
T(AVG): < 1% FROM 790 - 1000nm  
T(ABS): = 50% 1050nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. ROHS COMPLIANT

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

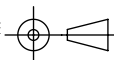


LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE  
PROJECTION



ALL DIMS IN

mm

**Edmund Optics®**

TITLE

OD2, Ø50mm, 1050nm LONGPASS FILTER

DWG NO

64710

SHEET  
1 OF 1

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

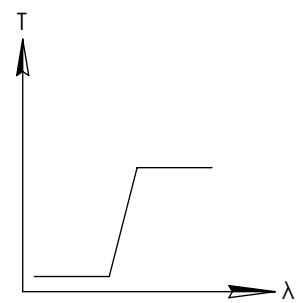
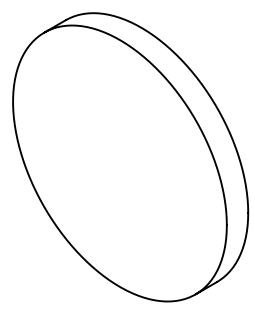
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1135 - 2000nm  
T(AVG): < 1% FROM 825 - 1045nm  
T(ABS): = 50% 1100nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

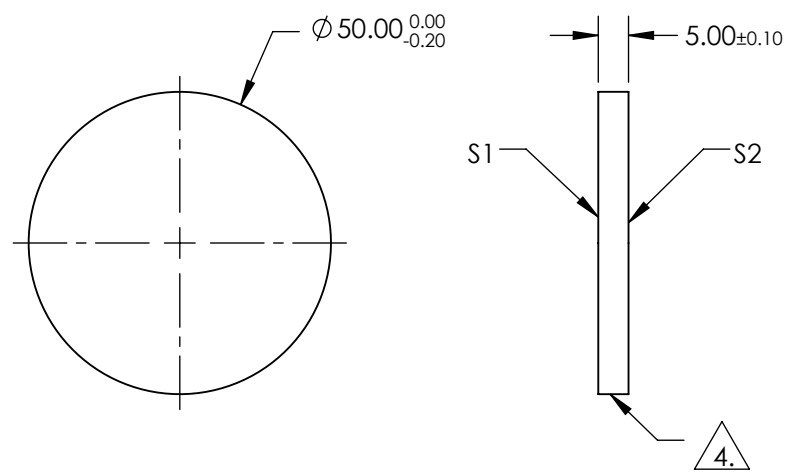
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 1100nm LONGPASS FILTER		
DWG NO	64711	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

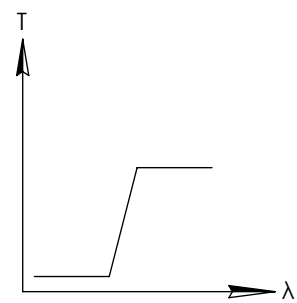
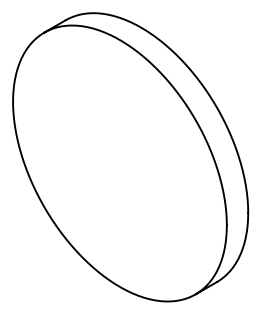
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1190 - 2000nm  
T(AVG): < 1% FROM 875 - 1095nm  
T(ABS): = 50% 425nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

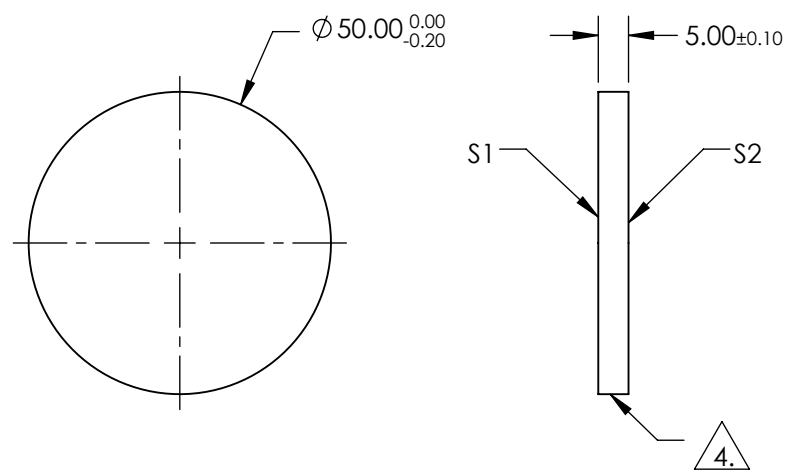
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 1150nm LONGPASS FILTER		
DWG NO	67300	SHEET 1 OF 1	



NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

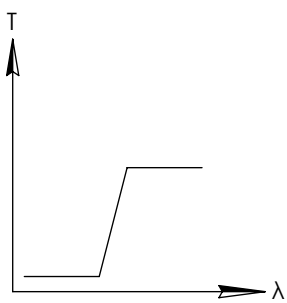
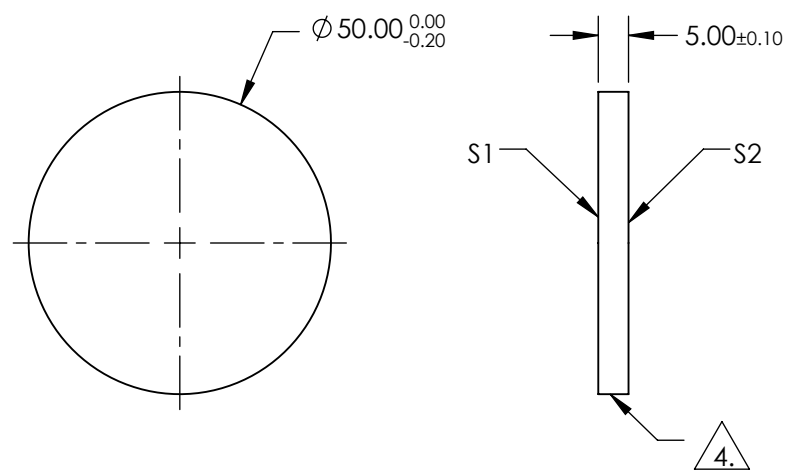
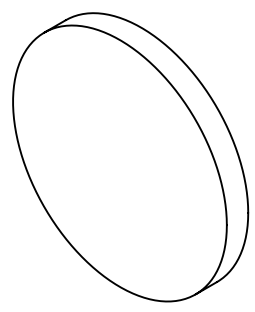
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1240 - 2000nm  
T(AVG): < 1% FROM 920 - 1160nm  
T(ABS): = 50% 425nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 1200nm LONGPASS FILTER		
DWG NO	67302	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

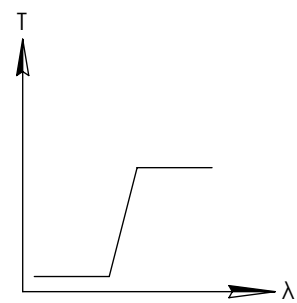
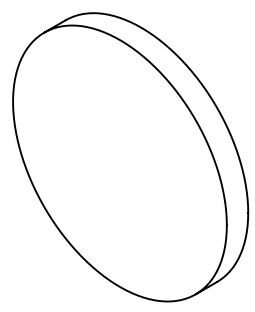
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1290 - 2000nm  
T(AVG): < 1% FROM 960 - 1200nm  
T(ABS): = 50% 1250nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

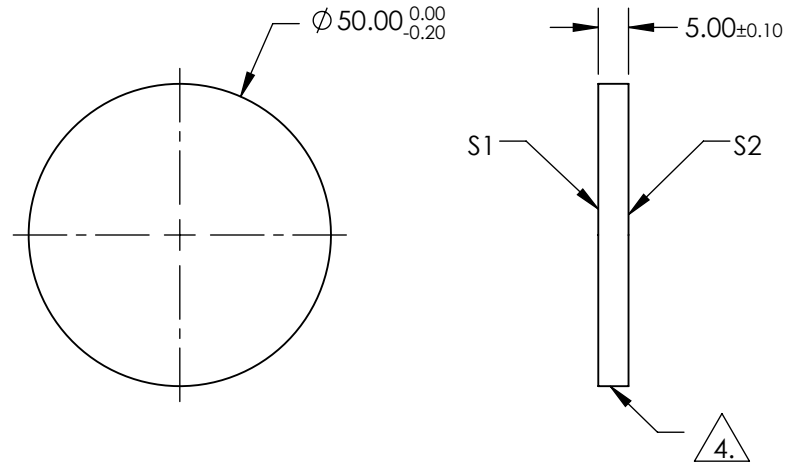
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 1250nm LONGPASS FILTER		
DWG NO	84681	SHEET	1 OF 1

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

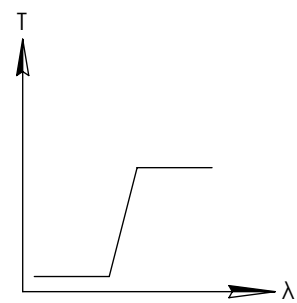
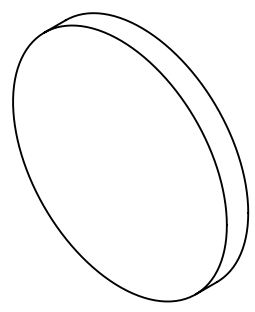
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1340 - 2000nm  
T(AVG): < 1% FROM 1010 - 1250nm  
T(ABS): = 50% 1300nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

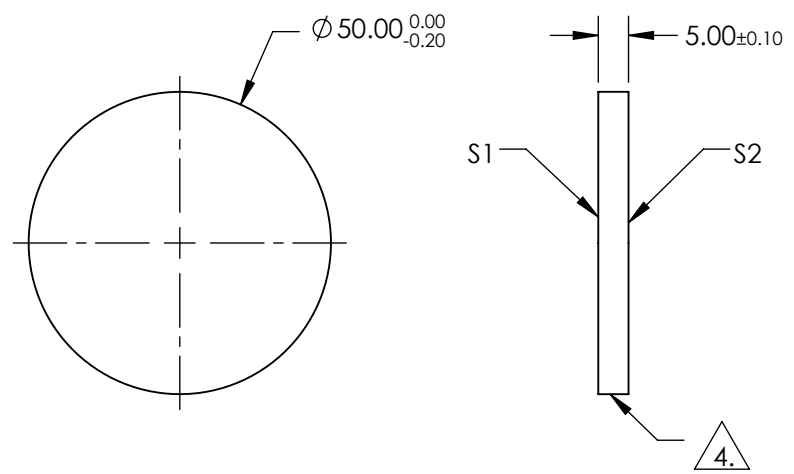
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 1300nm LONGPASS FILTER		
DWG NO	84682	SHEET	1 OF 1

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

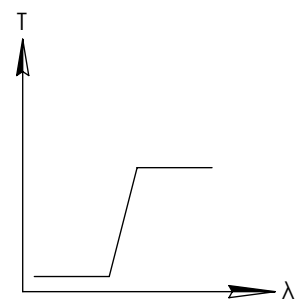
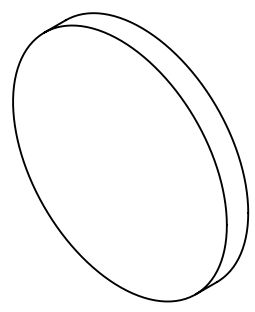
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1390 - 2000nm  
T(AVG): < 1% FROM 1055 - 1295nm  
T(ABS): = 50% 1350nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

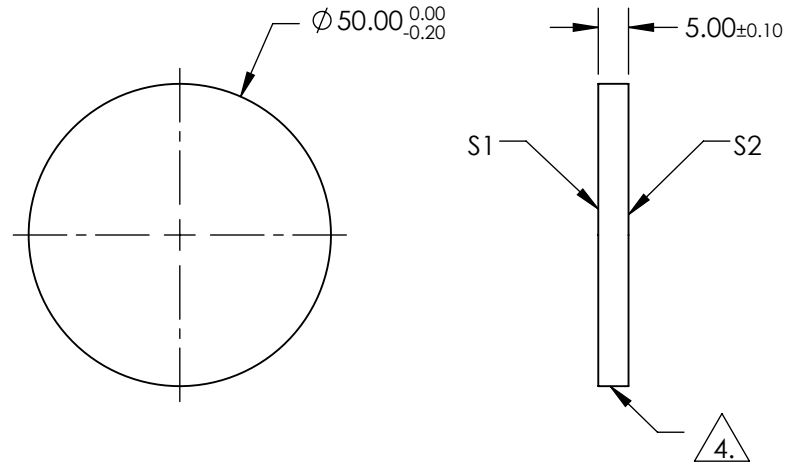
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 1350nm LONGPASS FILTER		
DWG NO	84683	SHEET 1 OF 1	

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

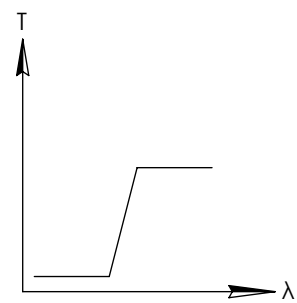
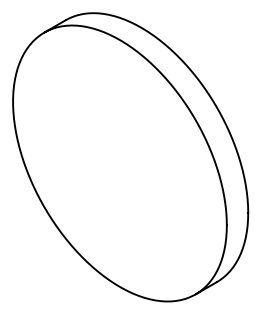
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1450 - 2000nm  
T(AVG): < 1% FROM 1105 - 1345nm  
T(ABS): = 50% 1400nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

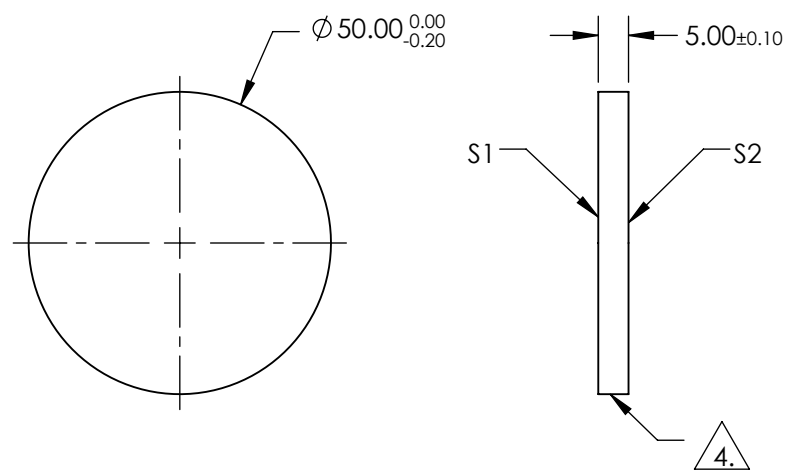
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**

THIRD ANGLE PROJECTION		TITLE	OD2, Ø50mm, 1400nm LONGPASS FILTER	
ALL DIMS IN	mm	DWG NO	84684	SHEET 1 OF 1

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

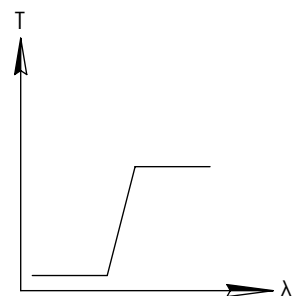
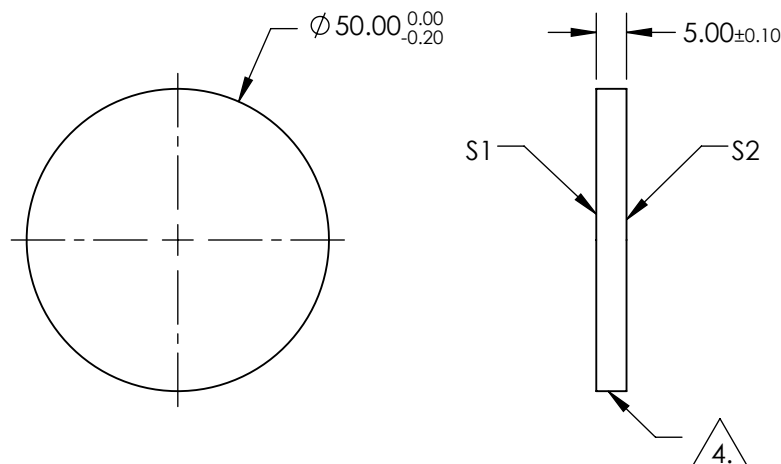
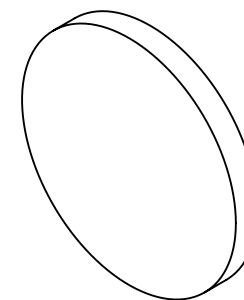
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1500 - 2000nm  
T(AVG): < 1% FROM 1150 - 1390nm  
T(ABS): = 50% 1450nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. ROHS COMPLIANT

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



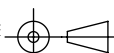
LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**

THIRD ANGLE  
PROJECTION



ALL DIMS IN

mm

TITLE

OD2, Ø50mm, 1450nm LONGPASS FILTER

DWG NO

84685

SHEET  
1 OF 1

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

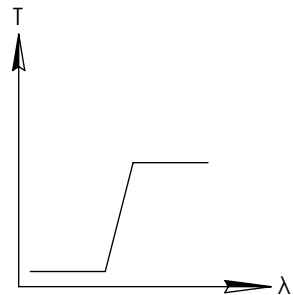
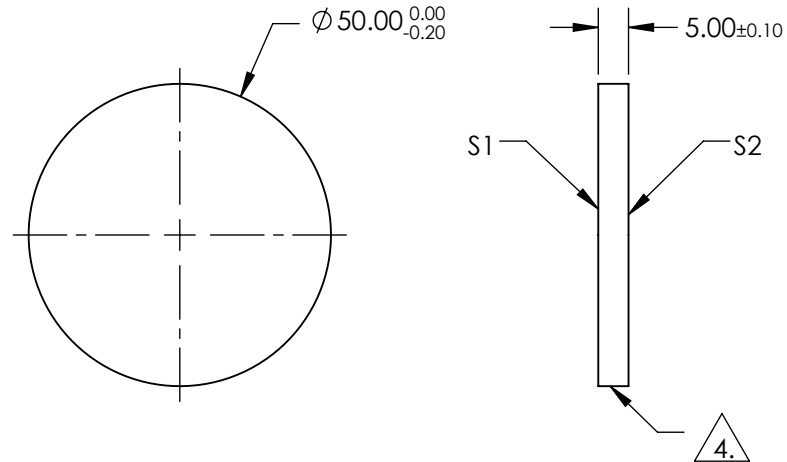
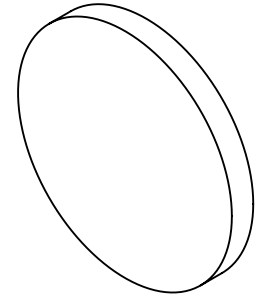
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1550 - 2000nm  
T(AVG): < 1% FROM 1200 - 1460nm  
T(ABS): = 50% 1500nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. ROHS COMPLIANT

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

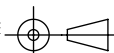


LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE  
PROJECTION



ALL DIMS IN

mm

**Edmund Optics®**

TITLE

OD2, Ø50mm, 1500nm LONGPASS FILTER

DWG NO

84686

SHEET  
1 OF 1

NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

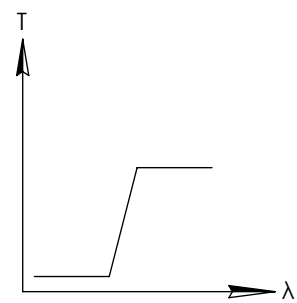
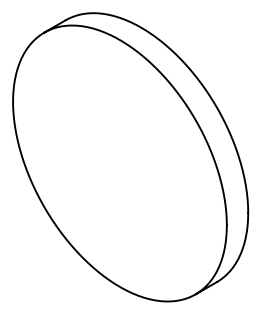
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1600 - 2000nm  
T(AVG): < 1% FROM 1225 - 1490nm  
T(ABS): = 50% 1550nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

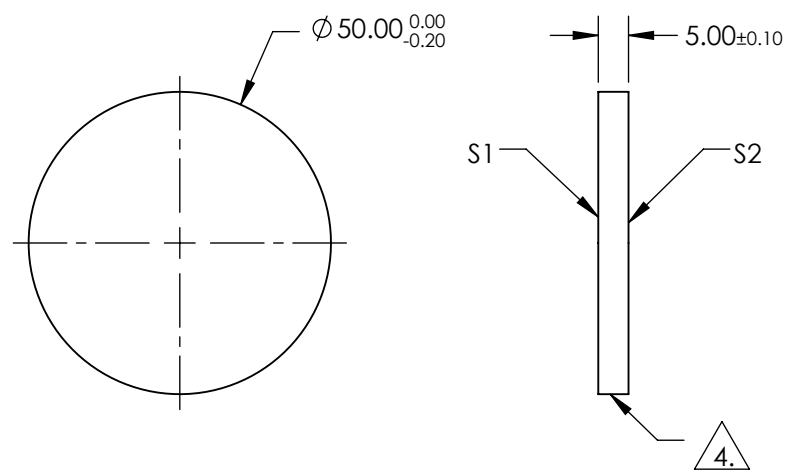
4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

**Edmund Optics®**



ALL DIMS IN mm

TITLE	OD2, Ø50mm, 1550nm LONGPASS FILTER		
DWG NO	84687	SHEET 1 OF 1	



NOTES:

1. SUBSTRATE  
UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)

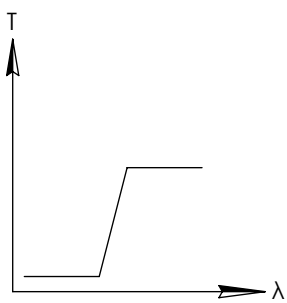
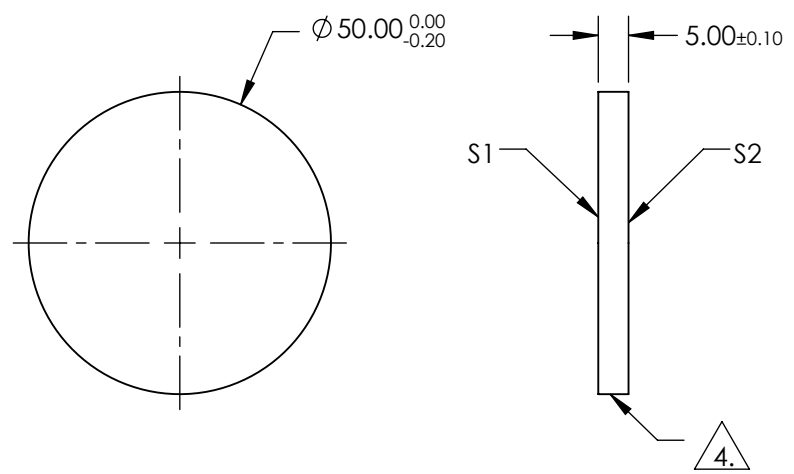
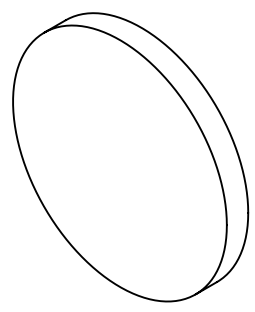
PERFORMANCE SPECIFICATIONS @ 0° AOI  
T(AVG): >85% FROM 1650 - 2000nm  
T(AVG): < 1% FROM 1300 - 1560nm  
T(ABS): = 50% 1600nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING  
S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE
6. 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

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	80%	80%
COATING APERTURE	Ø40.00	Ø40.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION			
		TITLE	OD2, Ø50mm, 1600nm LONGPASS FILTER
ALL DIMS IN	mm	DWG NO	84688
			SHEET 1 OF 1