

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)

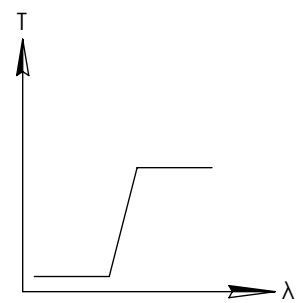
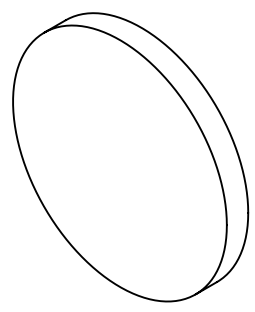
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 445 - 2000nm
T(AVG): < 1% FROM 200 - 405nm
T(ABS): = 50% 425nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING
S2: SINGLE LAYER MgF2

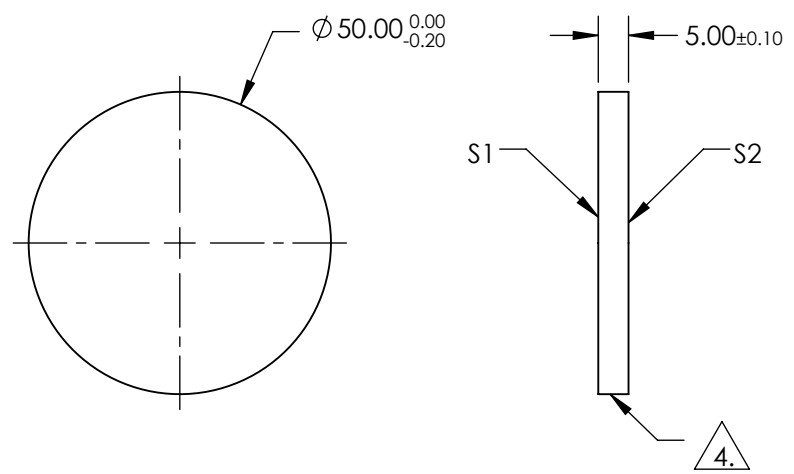
4. FINE GRIND SURFACE

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, 425nm LONGPASS FILTER		
DWG NO	64632	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)

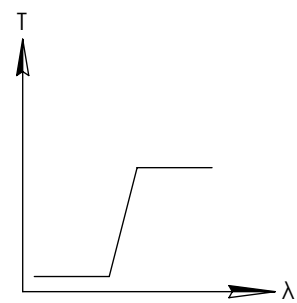
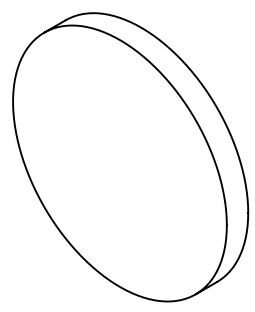
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 495 - 2000nm
T(AVG): < 1% FROM 200 - 455nm
T(ABS): = 50% 475nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING
S2: SINGLE LAYER MgF2

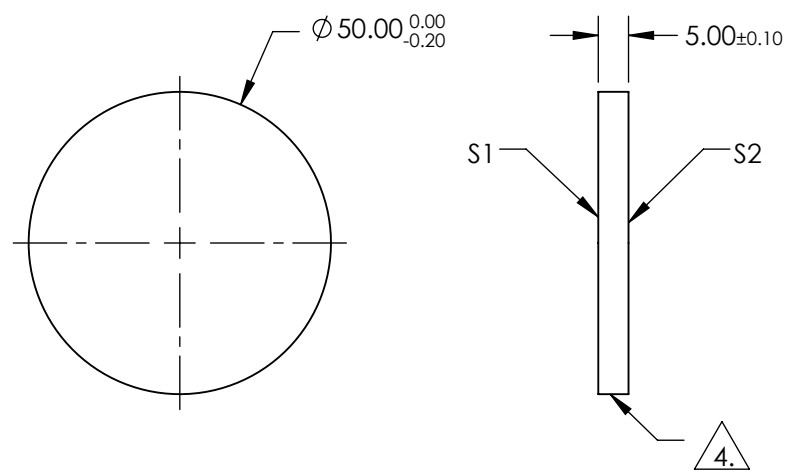
4. FINE GRIND SURFACE

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, 475nm LONGPASS FILTER		
DWG NO	64633	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)

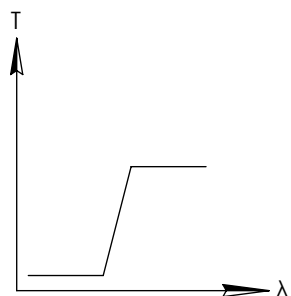
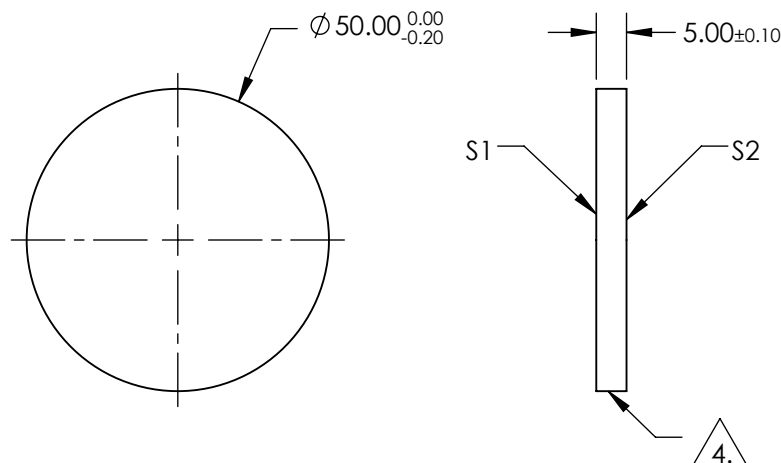
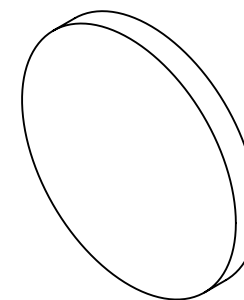
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 545 - 2000nm
T(AVG): < 1% FROM 200 - 505nm
T(ABS): = 50% 525nm @ 45° AOI

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®

THIRD ANGLE PROJECTION

ALL DIMS IN mm

TITLE

OD2, Ø50mm, 525nm LONGPASS FILTER

DWG NO

64634

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)

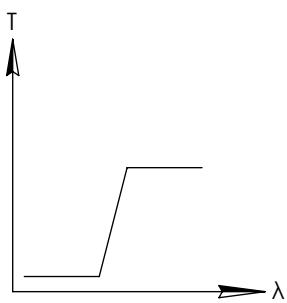
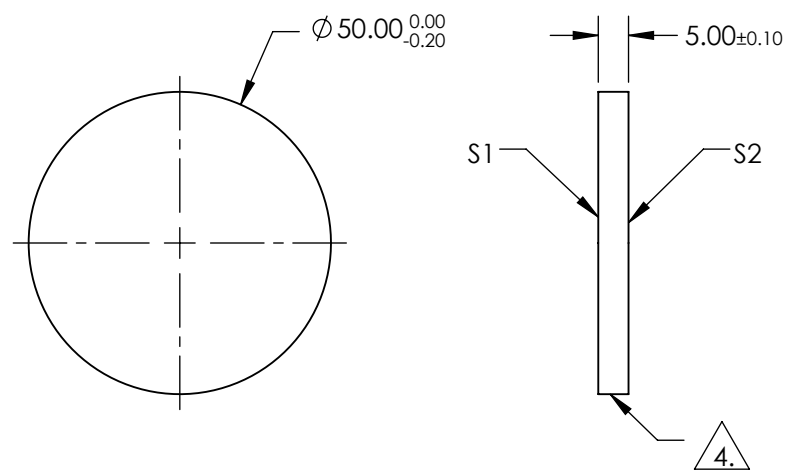
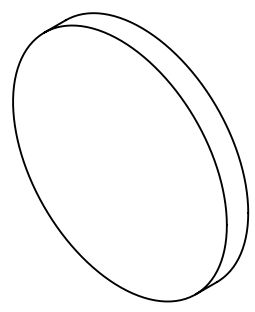
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 600 - 2000nm
T(AVG): < 1% FROM 440 - 540nm
T(ABS): = 50% 575nm @ 45° AOI

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, 575nm LONGPASS FILTER		
DWG NO	64635	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)

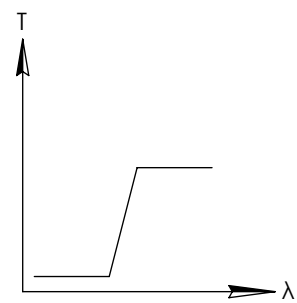
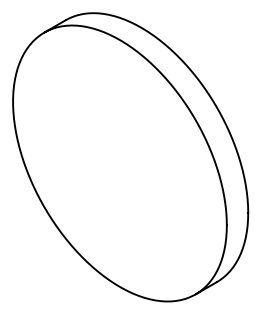
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 650 - 2000nm
T(AVG): < 1% FROM 485 - 595nm
T(ABS): = 50% 625nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING
S2: SINGLE LAYER MgF2

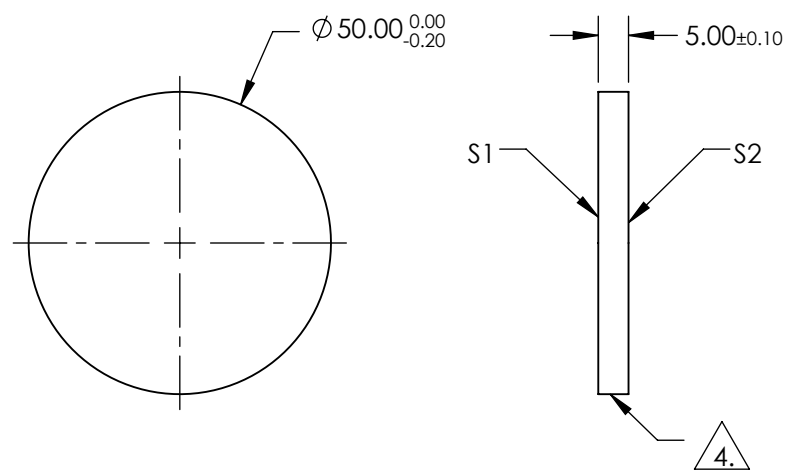
4. FINE GRIND SURFACE

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

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ALL DIMS IN mm

TITLE	OD2, Ø50mm, 625nm LONGPASS FILTER		
DWG NO	64636	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)

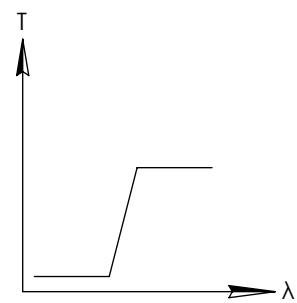
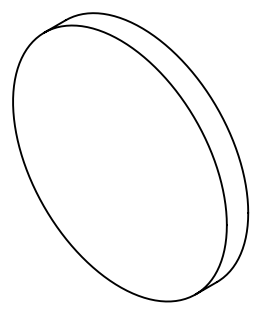
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 700 - 2000nm
T(AVG): < 1% FROM 520 - 635nm
T(ABS): = 50% 675nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING
S2: SINGLE LAYER MgF2

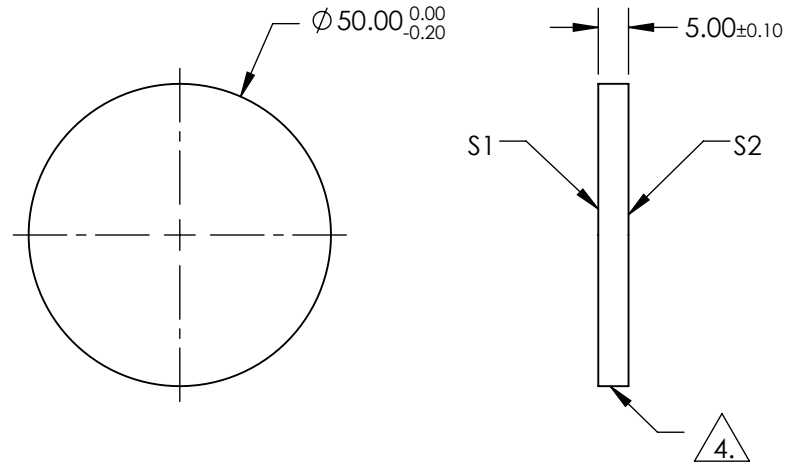
4. FINE GRIND SURFACE

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

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ALL DIMS IN mm

TITLE	OD2, Ø50mm, 675nm LONGPASS FILTER		
DWG NO	64637	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)

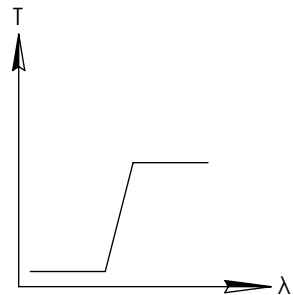
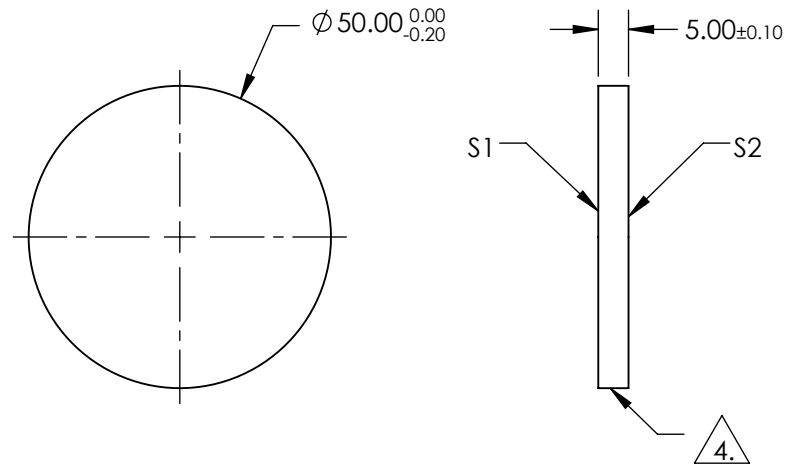
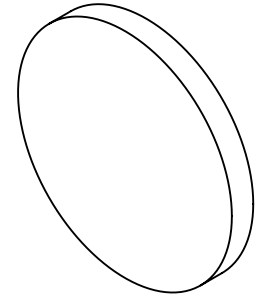
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 420 - 2000nm
T(AVG): < 1% FROM 200 - 375nm
T(ABS): = 50% 400nm @ 45° AOI

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**



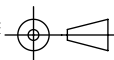
LONGPASS FILTER

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®

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)

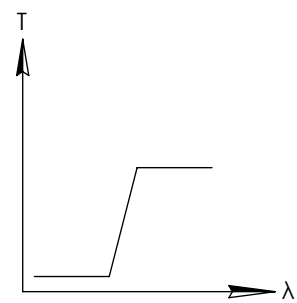
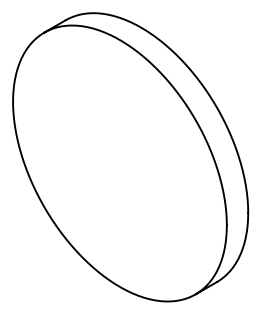
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 470 - 2000nm
T(AVG): < 1% FROM 200 - 430nm
T(ABS): = 50% 450nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING
S2: SINGLE LAYER MgF2

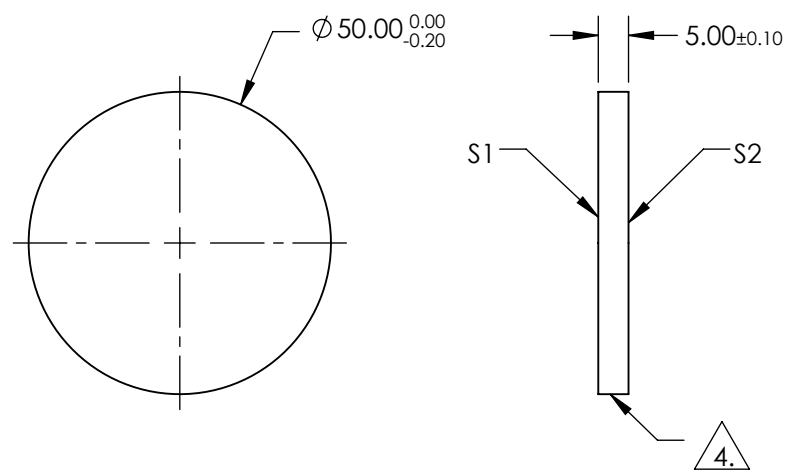
4. FINE GRIND SURFACE

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

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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)

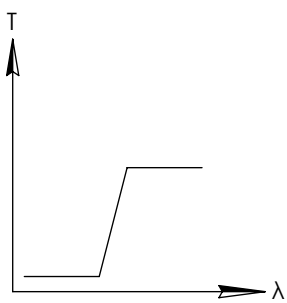
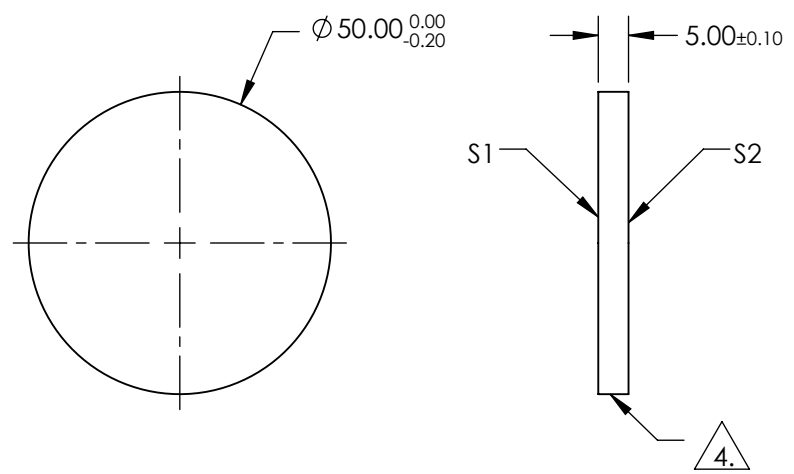
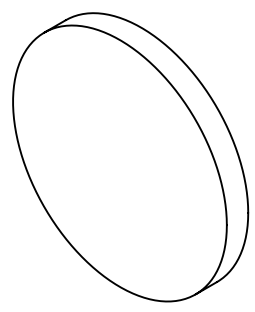
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 520 - 2000nm
T(AVG): < 1% FROM 200 - 480nm
T(ABS): = 50% 500nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING
S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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

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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

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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)

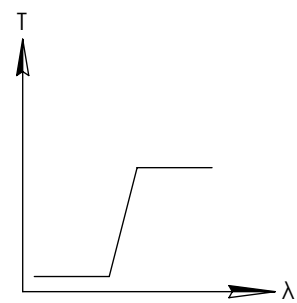
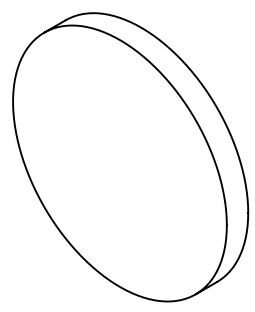
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 575 - 2000nm
T(AVG): < 1% FROM 415 - 515nm
T(ABS): = 50% 550nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING
S2: SINGLE LAYER MgF2

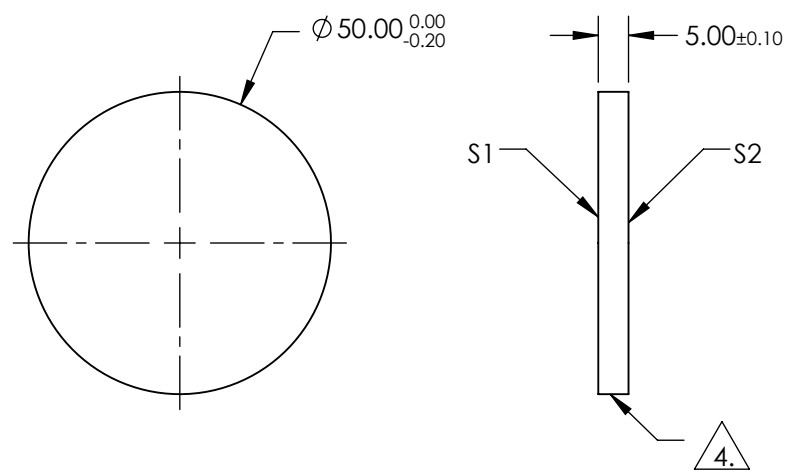
4. FINE GRIND SURFACE

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

**FOR INFORMATION ONLY:
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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

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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)

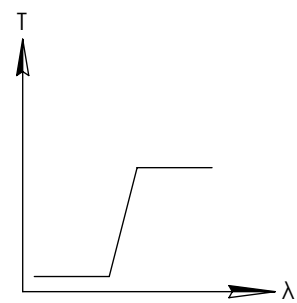
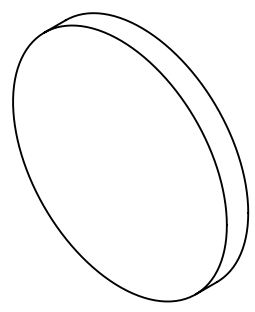
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 625 - 2000nm
T(AVG): < 1% FROM 460 - 570nm
T(ABS): = 50% 600nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING
S2: SINGLE LAYER MgF2

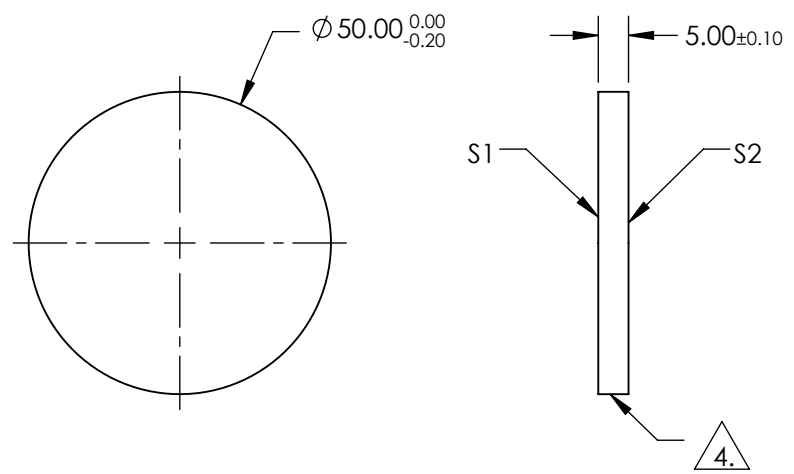
4. FINE GRIND SURFACE

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

**FOR INFORMATION ONLY:
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, 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)

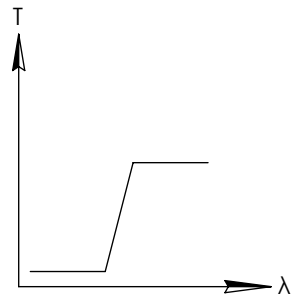
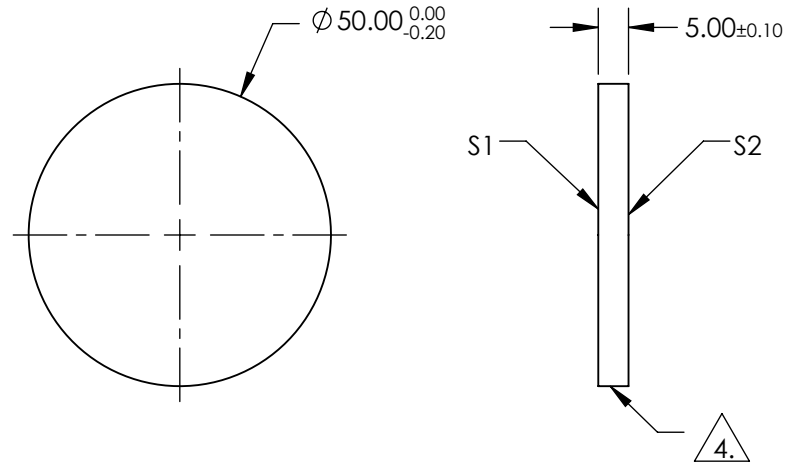
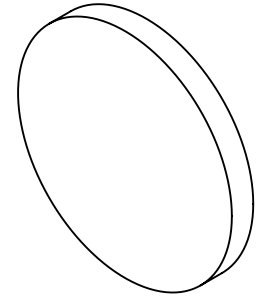
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 675 - 2000nm
T(AVG): < 1% FROM 495 - 610nm
T(ABS): = 50% 650nm @ 45° AOI

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:
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PARTS TO THIS DRAWING**



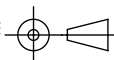
LONGPASS FILTER

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

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THIRD ANGLE
PROJECTION



TITLE

OD2, Ø50mm, 650nm LONGPASS FILTER

DWG NO

64702

SHEET
1 OF 1

ALL DIMS IN

mm

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)

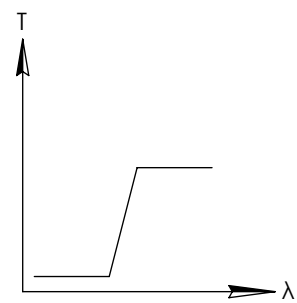
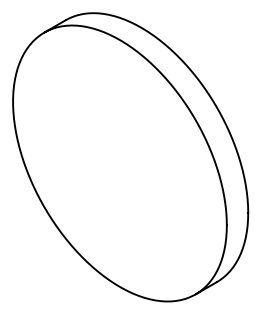
PERFORMANCE SPECIFICATIONS @ 0° AOI
T(AVG): >85% FROM 725 - 2000nm
T(AVG): < 1% FROM 535 - 660nm
T(ABS): = 50% 700nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING
S2: SINGLE LAYER MgF2

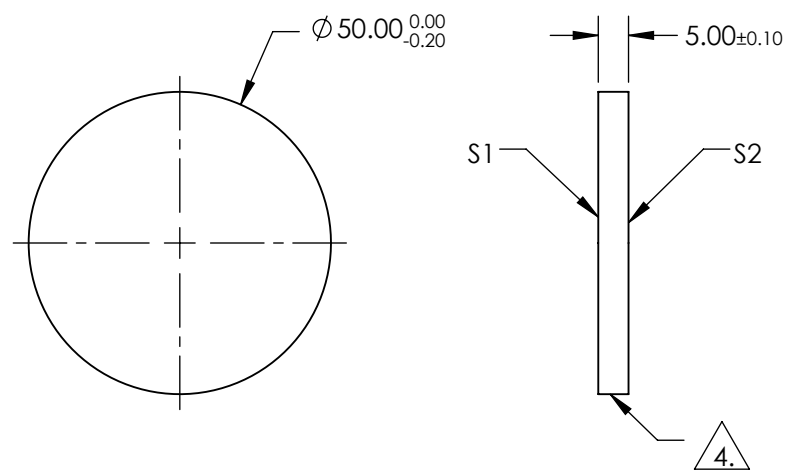
4. FINE GRIND SURFACE

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	