

- 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)

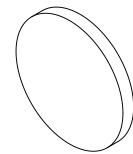
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 750 - 2000nm T(AVG): < 1% FROM 560 - 685nm T(ABS): = 50% 725nm @ 45° AOI

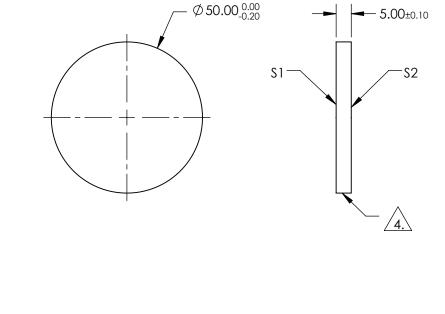
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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







LONGPASS FILTER

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SHAPE	S1 PLANO	S2 PLANO				Edmund Optic	CS®
SURFACE QUALITY	40-20	40-20		1		OD2, Ø50mm, 725nm LONGPASS FIL	TER
CLEAR APERTURE	80%	80%		TITLE			
COATING APERTURE	Ø40.00	Ø40.00]	1			
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64638	Sheet 1 OF 1



- 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)

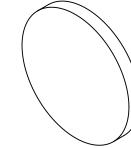
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 805 - 2000nm T(AVG): < 1% FROM 590 - 740nm T(ABS): = 50% 775nm @ 45° AOI

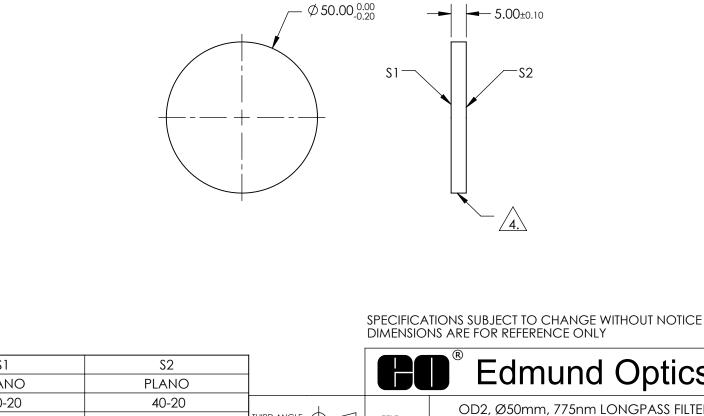
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

- 5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ 1/4 WAVE
- 6. ROHS COMPLIANT







LONGPASS FILTER

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Edmund Optics® S1 PLANO SHAPE 40-20 SURFACE QUALITY OD2, Ø50mm, 775nm LONGPASS FILTER THIRD ANGLE TITLE 80% 80% CLEAR APERTURE PROJECTION Ø40.00 Ø40.00 COATING APERTURE SHEET ALL DIMS IN DWG NO mm 64639 PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED BEVEL 1 OF 1



- 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 855 - 2000nm T(AVG): < 1% FROM 625 - 785nm T(ABS): = 50% 825nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

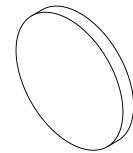
4. FINE GRIND SURFACE

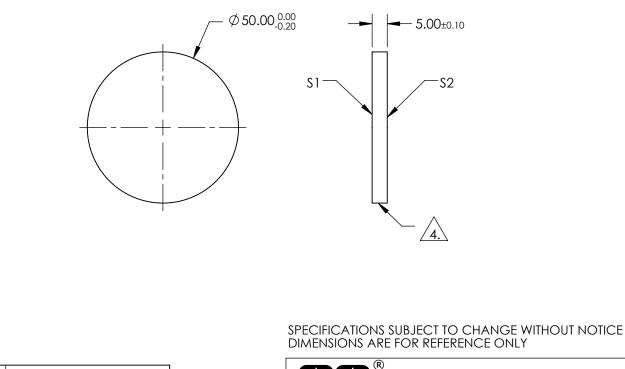
- 5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ 1/4 WAVE
- 6. ROHS COMPLIANT

LONGPASS FILTER

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Edmund Optics® S1 S2 PLANO **PLANO** SHAPE 40-20 40-20 SURFACE QUALITY OD2, Ø50mm, 825nm LONGPASS FILTER THIRD ANGLE TITLE 80% 80% CLEAR APERTURE PROJECTION Ø40.00 Ø40.00 COATING APERTURE SHEET ALL DIMS IN DWG NO mm 64690 PROTECTIVE AS NEEDED PROTECTIVE AS NEEDED BEVEL 1 OF 1



- 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)

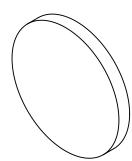
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 910 - 2000nm T(AVG): < 1% FROM 660 - 830nm T(ABS): = 50% 875nm @ 45° AOI

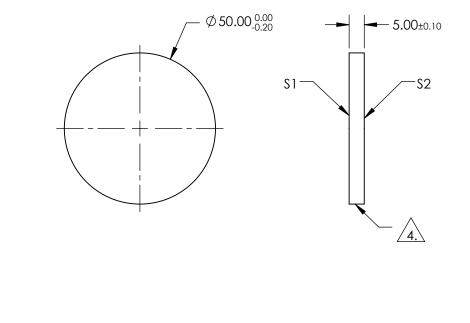
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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







LONGPASS FILTER

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SHAPE	S1 PLANO	S2 PLANO			B	Edmund Optic	CS [®]
SURFACE QUALITY	40-20	40-20				OD2, Ø50mm, 875nm LONGPASS FIL	TER
CLEAR APERTURE	80%	80%	THIRD ANGLE PROJECTION	\odot	TITLE		
COATING APERTURE	Ø40.00	Ø40.00]	1			CUEET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64691	SHEET 1 OF 1



- 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)

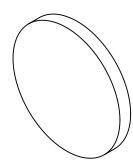
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 960 - 2000nm T(AVG): < 1% FROM 700 - 880nm T(ABS): = 50% 925nm @ 45° AOI

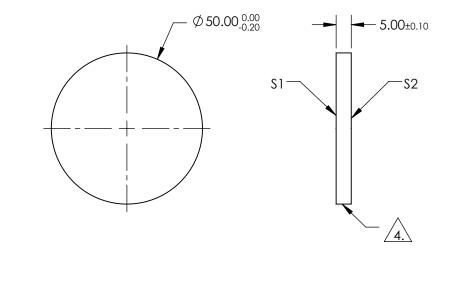
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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







LONGPASS FILTER

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SHAPE	S1 PLANO	S2 PLANO			B	Edmund Optic	CS [®]
SURFACE QUALITY	40-20	40-20				OD2, Ø50mm, 925nm LONGPASS FIL	TFR
CLEAR APERTURE	80%	80%	THIRD ANGLE - PROJECTION	$\bigcirc \bigcirc$	TITLE		
COATING APERTURE	Ø40.00	Ø40.00]	1			CUEET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64692	SHEET 1 OF 1



- 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 1010 - 2000nm T(AVG): < 1% FROM 735 - 925nm T(ABS): = 50% 975nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

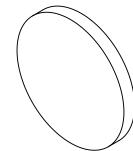
4. FINE GRIND SURFACE

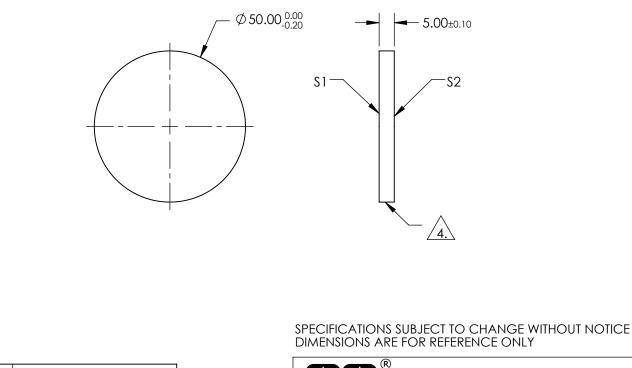
- 5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ 1/4 WAVE
- 6. ROHS COMPLIANT

LONGPASS FILTER

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Edmund Optics® S1 S2 PLANO **PLANO** SHAPE 40-20 40-20 SURFACE QUALITY OD2, Ø50mm, 975nm LONGPASS FILTER THIRD ANGLE TITLE 80% 80% CLEAR APERTURE PROJECTION Ø40.00 Ø40.00 COATING APERTURE SHEET ALL DIMS IN DWG NO mm 64693 PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED BEVEL 1 OF 1



- 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 1060 - 2000nm T(AVG): < 1% FROM 780 - 975nm T(ABS): = 50% 1025nm @ 45° AOI

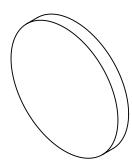
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

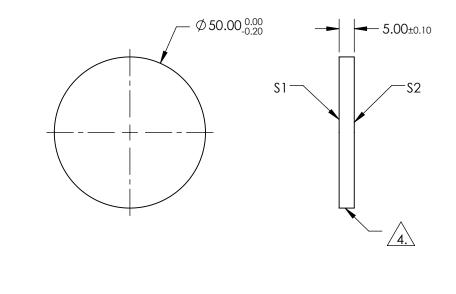
4. FINE GRIND SURFACE

- 5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ 1/4 WAVE
- 6. ROHS COMPLIANT

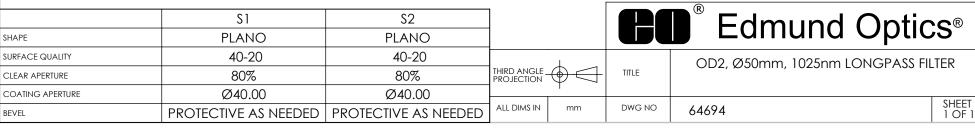
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LONGPASS FILTER





- 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 1110 - 2000nm T(AVG): < 1% FROM 820 - 1025nm T(ABS): = 50% 1075nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

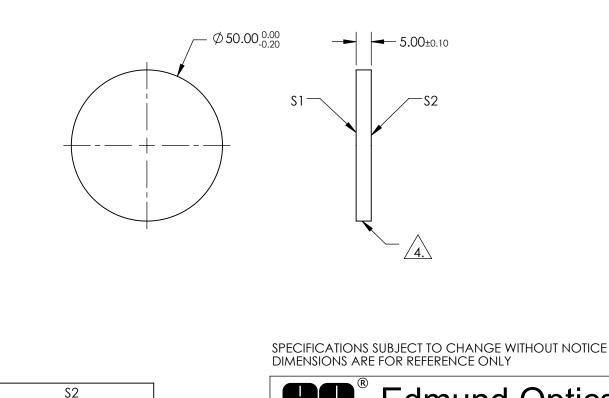
4. FINE GRIND SURFACE

- 5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ 1/4 WAVE
- 6. ROHS COMPLIANT

LONGPASS FILTER

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Edmund Optics® S1 PLANO **PLANO** SHAPE 40-20 40-20 SURFACE QUALITY OD2, Ø50mm, 1075nm LONGPASS FILTER THIRD ANGLE TITLE 80% 80% CLEAR APERTURE PROJECTION Ø40.00 Ø40.00 COATING APERTURE SHEET ALL DIMS IN DWG NO mm 64695 PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED BEVEL 1 OF 1



- 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

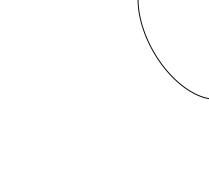
4. FINE GRIND SURFACE

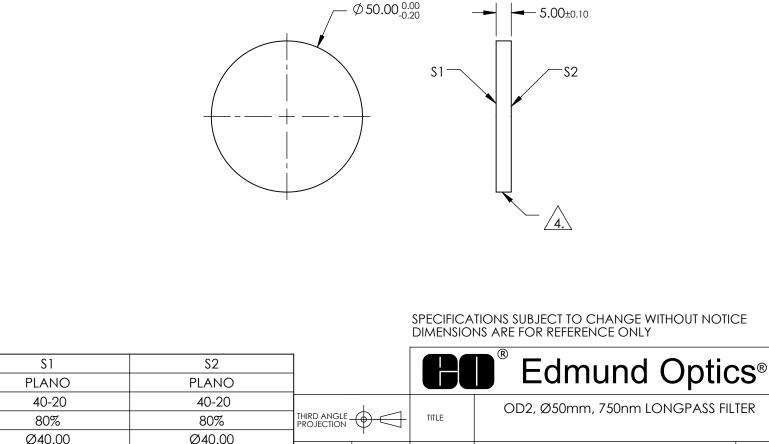
5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ 1/4 WAVE

PROTECTIVE AS NEEDED

6. ROHS COMPLIANT







ALL DIMS IN

PROTECTIVE AS NEEDED

mm

DWG NO

64704

LONGPASS FILTER

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SHAPE

BEVEL

SURFACE QUALITY

CLEAR APERTURE

COATING APERTURE

Sheet 1 Of 1



- 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)

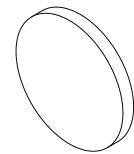
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 830 - 2000nm T(AVG): < 1% FROM 600 - 760nm T(ABS): = 50% 800nm @ 45° AOI

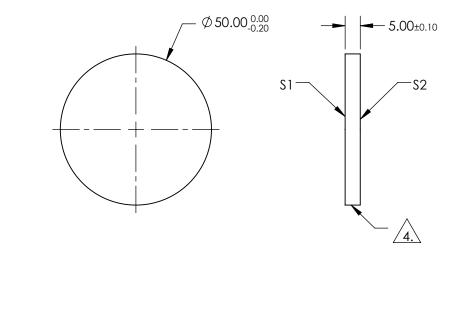
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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







LONGPASS FILTER

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SHAPE	S1 PLANO	s2 Plano				Edmund Optic	CS®
SURFACE QUALITY	40-20	40-20				OD2, Ø50mm, 800nm LONGPASS FIL	TER
CLEAR APERTURE	80%	80%	THIRD ANGLE	TITLE			
COATING APERTURE	Ø40.00	Ø40.00]				
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64705	SHEET 1 OF 1



- 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)

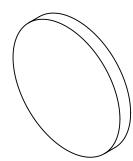
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 880 - 2000nm T(AVG): < 1% FROM 635 - 805nm T(ABS): = 50% 850nm @ 45° AOI

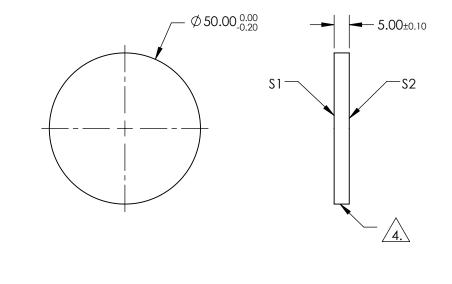
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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







LONGPASS FILTER

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SHAPE	S1 PLANO	S2 PLANO				Edmund Optics [®]
SURFACE QUALITY	40-20	40-20				OD2, Ø50mm, 850nm LONGPASS FILTER
CLEAR APERTURE	80%	80%	THIRD ANGLE . PROJECTION	$\bigcirc \bigcirc \bigcirc$	TITLE	
COATING APERTURE	Ø40.00	Ø40.00		1		
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64706 SHEET 1 OF 1



- 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 ≤ 1/4 WAVE

Ø40.00

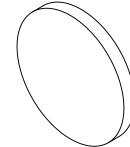
PROTECTIVE AS NEEDED

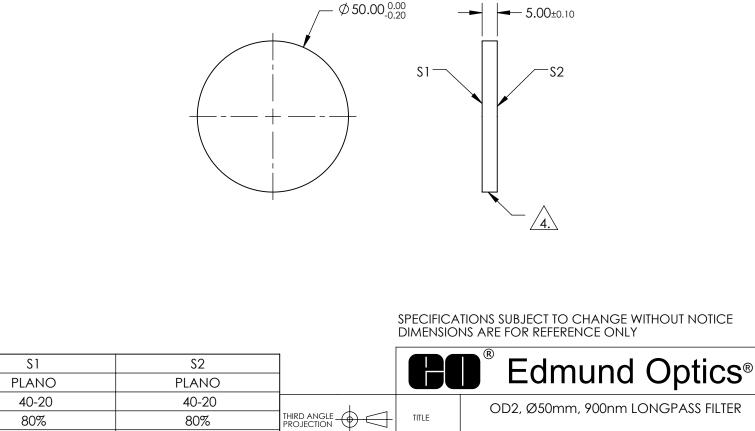
Ø40.00

PROTECTIVE AS NEEDED

6. ROHS COMPLIANT







ALL DIMS IN

mm

DWG NO

64707

LONGPASS FILTER

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SHAPE

BEVEL

SURFACE QUALITY

CLEAR APERTURE

COATING APERTURE





- 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)

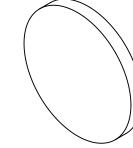
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 985 - 2000nm T(AVG): < 1% FROM 715 - 900nm T(ABS): = 50% 950nm @ 45° AOI

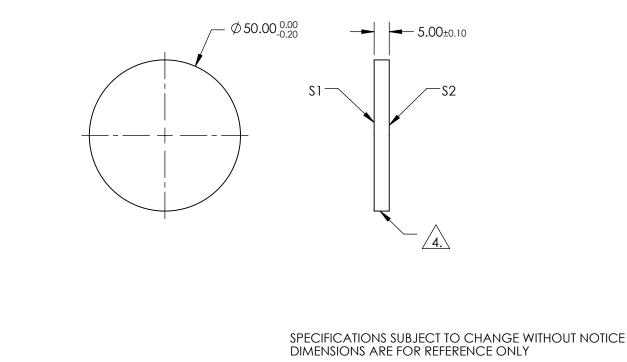
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

- 5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ 1/4 WAVE
- 6. ROHS COMPLIANT







LONGPASS FILTER

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(R) Edmund Optics® S1 S2 PLANO **PLANO** SHAPE 40-20 40-20 SURFACE QUALITY OD2, Ø50mm, 950nm LONGPASS FILTER THIRD ANGLE TITLE 80% 80% CLEAR APERTURE PROJECTION Ø40.00 Ø40.00 COATING APERTURE SHEET ALL DIMS IN DWG NO mm 64708 PROTECTIVE AS NEEDED PROTECTIVE AS NEEDED BEVEL 1 OF 1



- 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)

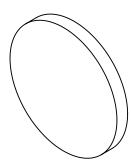
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 1035 - 2000nm T(AVG): < 1% FROM 750 - 950nm T(ABS): = 50% 1000nm @ 45° AOI

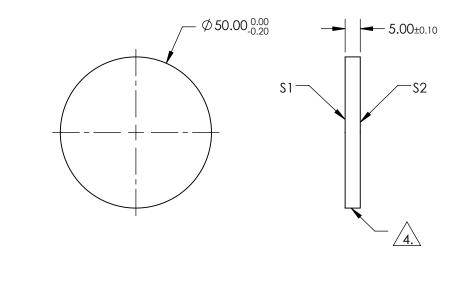
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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







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LONGPASS FILTER

	S1	\$2]			Edmund Optic	C ®
SHAPE	PLANO	PLANO					5
SURFACE QUALITY	40-20	40-20		1		OD2, Ø50mm, 1000nm LONGPASS FIL	TER
CLEAR APERTURE	80%	80%	THIRD ANGLE _ PROJECTION	$\bigcirc \bigcirc$	TITLE		
COATING APERTURE	Ø40.00	Ø40.00					CUEET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64709	Sheet 1 Of 1



- 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)

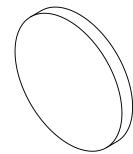
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 1085 - 2000nm T(AVG): < 1% FROM 790 - 1000nm T(ABS): = 50% 1050nm @ 45° AOI

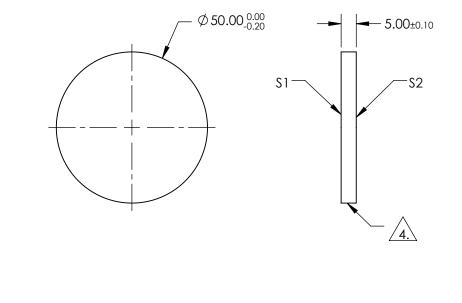
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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







LONGPASS FILTER

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

Shape	\$1 PLANO	\$2 PLANO				Edmund Optics [®]
SURFACE QUALITY	40-20	40-20				OD2, Ø50mm, 1050nm LONGPASS FILTER
CLEAR APERTURE	80%	80%	THIRD ANGLE . PROJECTION	$\bigcirc \bigcirc \bigcirc$	TITLE	
COATING APERTURE	Ø40.00	Ø40.00	-	1		
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64710 SHEET 1 OF 1



- 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)

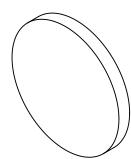
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 1135 - 2000nm T(AVG): < 1% FROM 825 - 1045nm T(ABS): = 50% 1100nm @ 45° AOI

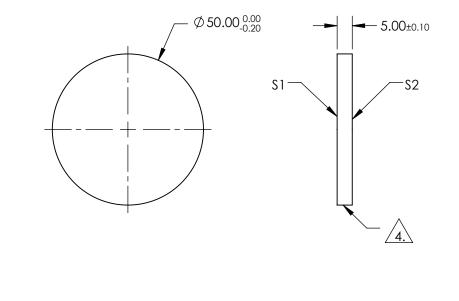
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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







LONGPASS FILTER

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SHAPE	S1 PLANO	S2 PLANO			B	Edmund Optic	CS [®]
SURFACE QUALITY	40-20	40-20				OD2, Ø50mm, 1100nm LONGPASS FI	ITER
CLEAR APERTURE	80%	80%	THIRD ANGLE - PROJECTION	\odot	TITLE		
COATING APERTURE	Ø40.00	Ø40.00		1			CUEET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64711	SHEET 1 OF 1