

- 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 ≤ 1/4 WAVE

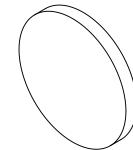
Ø40.00

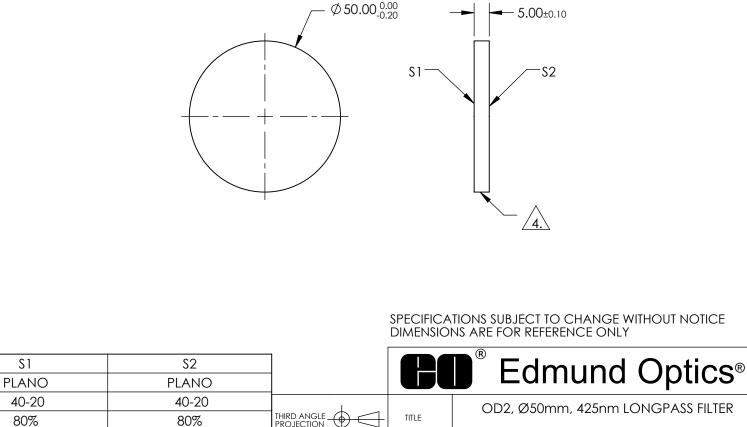
PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED

Ø40.00

6. ROHS COMPLIANT







ALL DIMS IN

mm

DWG NO

### LONGPASS FILTER

Т

SHAPE

BEVEL

SURFACE QUALITY

CLEAR APERTURE

COATING APERTURE

022,2	 	-0.	 	
64632				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)

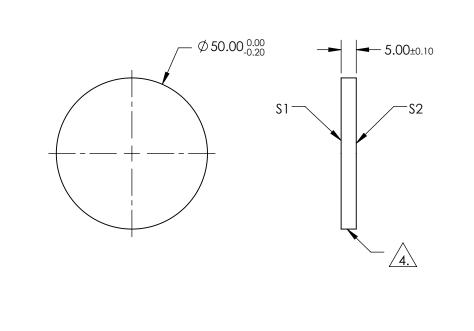
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 495 - 2000nm T(AVG): < 1% FROM 200 - 455nm T(ABS): = 50% 475nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

## 4. FINE GRIND SURFACE

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





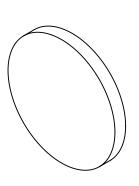
### LONGPASS FILTER

Т

### SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

\_

	S1	\$2	]		Edmund Optic	<b>C</b> ®
SHAPE	PLANO	PLANO				5
SURFACE QUALITY	40-20	40-20			OD2, Ø50mm, 475nm LONGPASS FILT	TER
CLEAR APERTURE	80%	80%		TITLE		
COATING APERTURE	Ø40.00	Ø40.00				CULLET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN mm	DWG NO	64633	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)

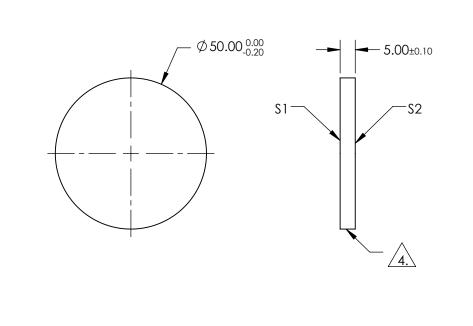
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 545 - 2000nm T(AVG): < 1% FROM 200 - 505nm T(ABS): = 50% 525nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

## 4. FINE GRIND SURFACE

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





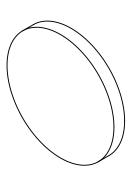
### LONGPASS FILTER

Т

## SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

\_

	S1	\$2	]			Edmund Optic	<b>C</b> ®
SHAPE	PLANO	PLANO					5
SURFACE QUALITY	40-20	40-20				OD2, Ø50mm, 525nm LONGPASS FIL	TER
CLEAR APERTURE	80%	80%	THIRD ANGLE _ PROJECTION	$\bigcirc \bigcirc$	TITLE		
COATING APERTURE	Ø40.00	Ø40.00					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64634	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)

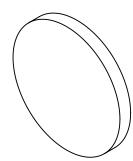
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 600 - 2000nm T(AVG): < 1% FROM 440 - 540nm T(ABS): = 50% 575nm @ 45° AOI

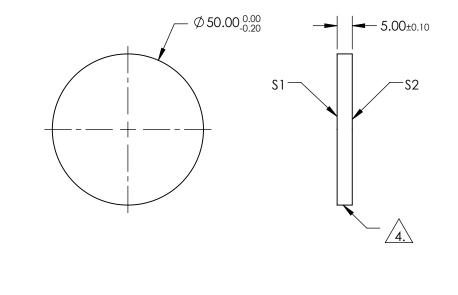
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

## 4. FINE GRIND SURFACE

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







### LONGPASS FILTER

Т

SHAPE	S1 PLANO	S2 PLANO				Edmund Optic	CS <sup>®</sup>
SURFACE QUALITY	40-20	40-20				OD2, Ø50mm, 575nm LONGPASS FIL	TER
CLEAR APERTURE	80%	80%		TITLE			
COATING APERTURE	Ø40.00	Ø40.00		1			CUEET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64635	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)

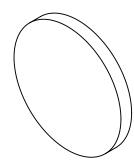
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 650 - 2000nm T(AVG): < 1% FROM 485 - 595nm T(ABS): = 50% 625nm @ 45° AOI

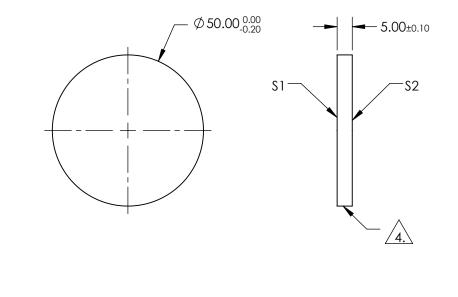
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

## 4. FINE GRIND SURFACE

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







## LONGPASS FILTER

Т

SHAPE	S1 PLANO	S2 PLANO	]	e	Edmund Optic	S <sup>®</sup>
SURFACE QUALITY	40-20	40-20			OD2, Ø50mm, 625nm LONGPASS FILT	TFR
CLEAR APERTURE	80%	80%	THIRD ANGLE			
COATING APERTURE	Ø40.00	Ø40.00				011555
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN mm	DWG NO	64636	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)

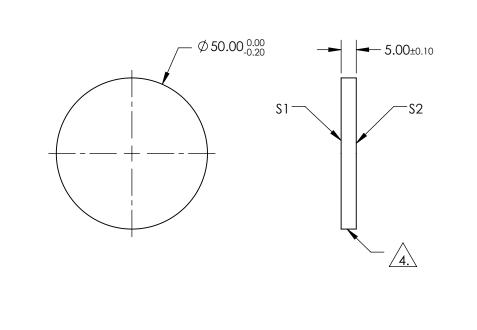
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 700 - 2000nm T(AVG): < 1% FROM 520 - 635nm T(ABS): = 50% 675nm @ 45° AOI

S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

## 4. FINE GRIND SURFACE

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





### LONGPASS FILTER

Т

# SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

\_

	S1	\$2				Edmund Optic	<b>C</b> ®
SHAPE	PLANO	PLANO					5
SURFACE QUALITY	40-20	40-20				OD2, Ø50mm, 675nm LONGPASS FILT	FR
CLEAR APERTURE	80%	80%	THIRD ANGLE . PROJECTION	$\odot$	TITLE		
COATING APERTURE	Ø40.00	Ø40.00					CULET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64637	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)

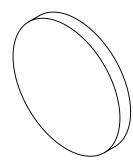
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 420 - 2000nm T(AVG): < 1% FROM 200 - 375nm T(ABS): = 50% 400nm @ 45° AOI

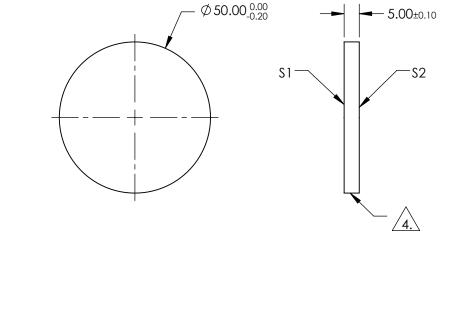
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

## 4. FINE GRIND SURFACE

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







### LONGPASS FILTER

Т

SHAPE	S1 PLANO	s2 Plano	]	B	Edmund Optic	S <sup>®</sup>
SURFACE QUALITY	40-20	40-20			OD2, Ø50mm, 400nm LONGPASS FIL	TFR
CLEAR APERTURE	80%	80%		TITLE		
COATING APERTURE	Ø40.00	Ø40.00				QUEET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN mm	DWG NO	64697	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)

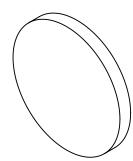
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 470 - 2000nm T(AVG): < 1% FROM 200 - 430nm T(ABS): = 50% 450nm @ 45° AOI

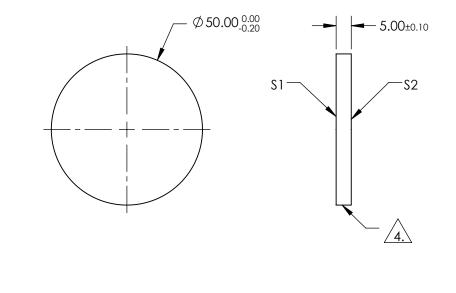
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

## 4. FINE GRIND SURFACE

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

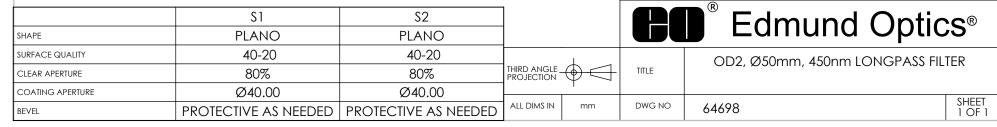






### LONGPASS FILTER

Т





- 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

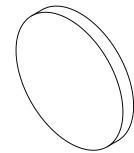
4. FINE GRIND SURFACE

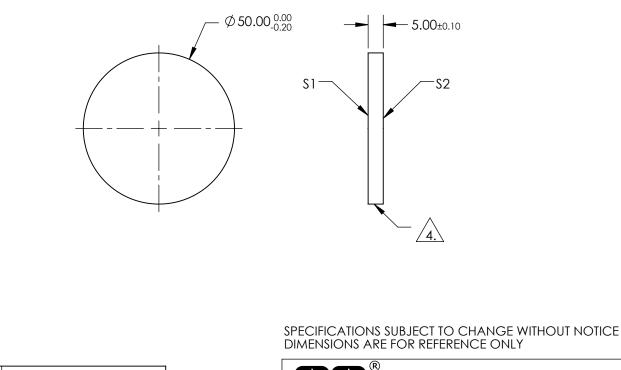
- 5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ 1/4 WAVE
- 6. ROHS COMPLIANT

LONGPASS FILTER

Т







Edmund Optics® S1 S2 PLANO **PLANO** SHAPE 40-20 40-20 SURFACE QUALITY OD2, Ø50mm, 500nm LONGPASS FILTER THIRD ANGLE TITLE 80% 80% CLEAR APERTURE PROJECTION Ø40.00 Ø40.00 COATING APERTURE SHEET ALL DIMS IN DWG NO mm 64699 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)

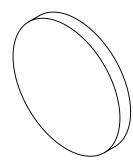
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 575 - 2000nm T(AVG): < 1% FROM 415 - 515nm T(ABS): = 50% 550nm @ 45° AOI

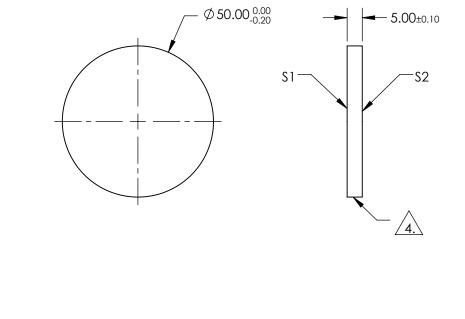
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

## 4. FINE GRIND SURFACE

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







### LONGPASS FILTER

Т

SHAPE	S1 PLANO	s2 Plano				Edmund Optic	<b>CS</b> <sup>®</sup>
SURFACE QUALITY	40-20	40-20				OD2, Ø50mm, 550nm LONGPASS FIL	TFR
CLEAR APERTURE	80%	80%	THIRD ANGLE	TITLE			
COATING APERTURE	Ø40.00	Ø40.00		1			
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64700	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 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 ≤ 1/4 WAVE

Ø40.00

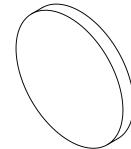
PROTECTIVE AS NEEDED

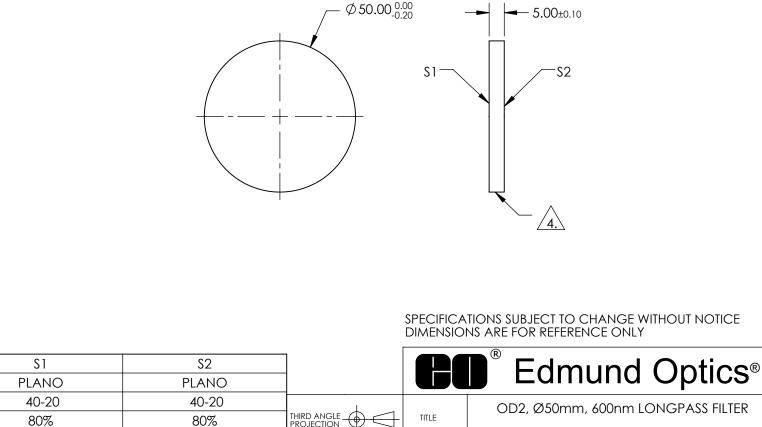
Ø40.00

PROTECTIVE AS NEEDED

6. ROHS COMPLIANT







ALL DIMS IN

mm

DWG NO

64701

LONGPASS FILTER

Т

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)

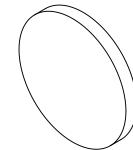
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 675 - 2000nm T(AVG): < 1% FROM 495 - 610nm T(ABS): = 50% 650nm @ 45° AOI

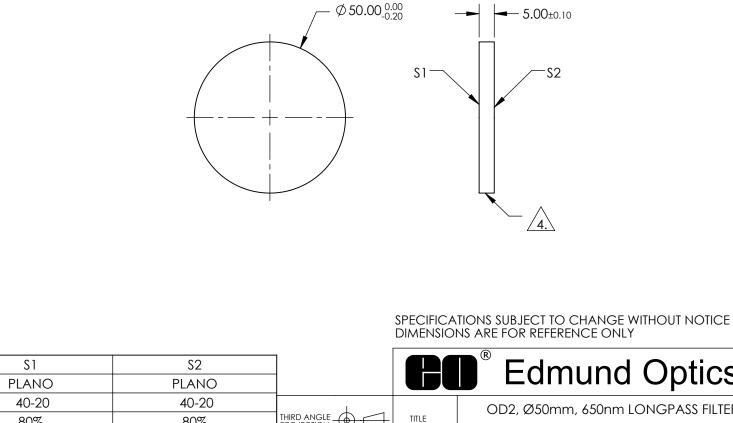
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

## 4. FINE GRIND SURFACE

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







### LONGPASS FILTER

Т

	\$1	\$2				Edmund Optic	<b>C</b> ®
SHAPE	PLANO	PLANO					5
SURFACE QUALITY	40-20	40-20				OD2, Ø50mm, 650nm LONGPASS FIL	TFR
CLEAR APERTURE	80%	80%	THIRD ANGLE . PROJECTION	$\bigcirc \bigcirc \bigcirc$	TITLE		
COATING APERTURE	Ø40.00	Ø40.00					CUEET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	64702	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)

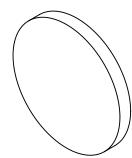
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 725 - 2000nm T(AVG): < 1% FROM 535 - 660nm T(ABS): = 50% 700nm @ 45° AOI

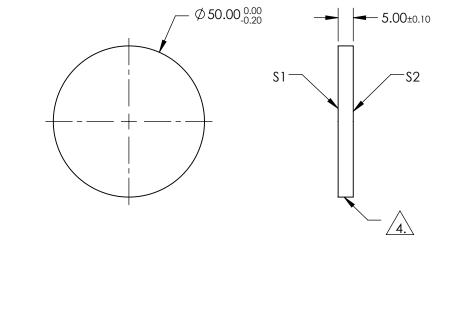
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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







### LONGPASS FILTER

Т

SHAPE	S1 PLANO	S2 PLANO	]		Edmund Optics <sup>®</sup>	
SURFACE QUALITY	40-20	40-20			OD2, Ø50mm, 700nm LONGPASS FILTER	
CLEAR APERTURE	80%	80%		TITLE		
COATING APERTURE	Ø40.00	Ø40.00				
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN mm	DWG NO	64703 SHEE 1 OF	