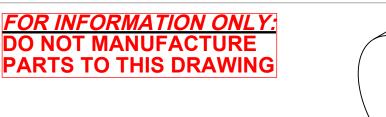
- 1. SUBSTRATE UV GRADE FUSED SILICA
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
- 3. COATING (APPLY ACROSS COATING APERTURE)

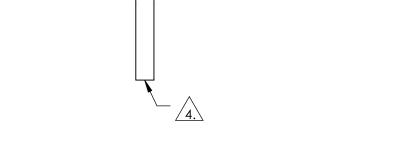
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 420 - 2000nm T(AVG): < 1% FROM 200 - 375nm T(ABS): = 50% @ 400nm

S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2



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





**- 1.50**±0.10

S2

S1-

### LONGPASS FILTER

Т

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

	S1	S2			Edmund Optics	S®
SHAPE	PLANO	PLANO				U
SURFACE QUALITY	40-20	40-20			OD2, Ø12.5mm, 400nm LONGPASS FILT	TER
CLEAR APERTURE	80%	80%	THIRD ANGLE	TITLE		
COATING APERTURE	Ø11.00	Ø11.00				CLIEFT
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN mm	DWG NO	49024	Sheet 1 Of 1

ΙΟΤ

Ø 12.50<sup>0.00</sup><sub>-0.20</sub>

DO

- 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

S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2



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

Ø11.00

PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED

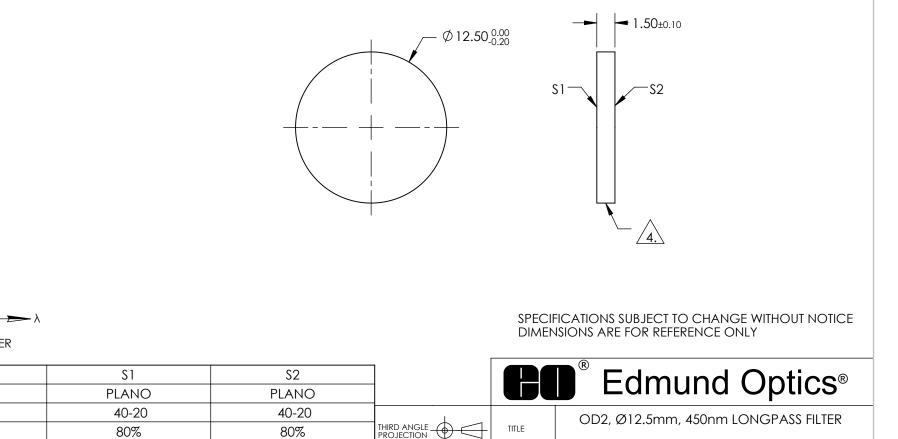
Ø11.00

6. ROHS COMPLIANT



SHEET

1 OF 1



ALL DIMS IN

mm

DWG NO

49025

# LONGPASS FILTER

Т

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 520 - 2000nm T(AVG): < 1% FROM 200 - 480nm T(ABS): = 50% @ 500nm

S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2



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

Т

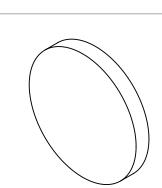
SHAPE

BEVEL

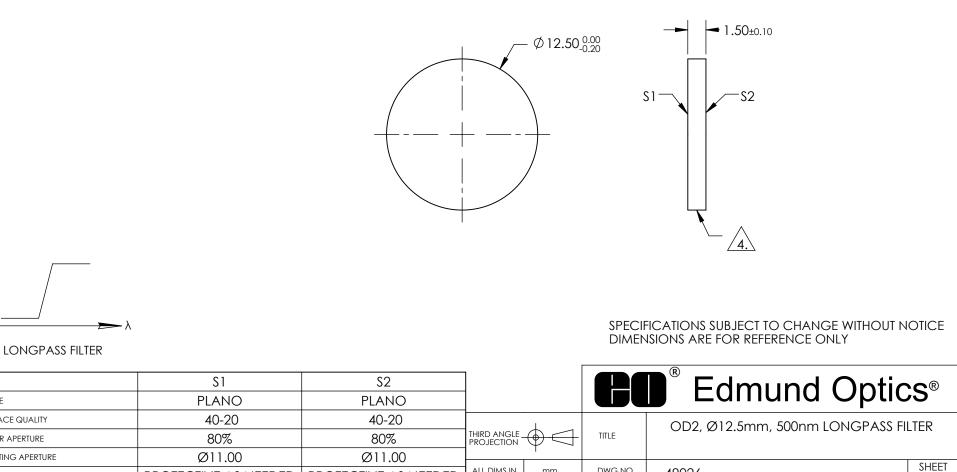
SURFACE QUALITY

CLEAR APERTURE

COATING APERTURE



1 OF 1



ALL DIMS IN

PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED

mm

DWG NO

49026

FOR INFORMATION ONLY:

PARTS TO THIS DRAWING

ANUFACTURE

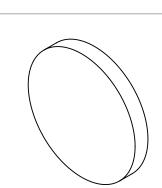
- 1. SUBSTRATE UV GRADE FUSED SILICA
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 ARCSEC
- 3. COATING (APPLY ACROSS COATING APERTURE)

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

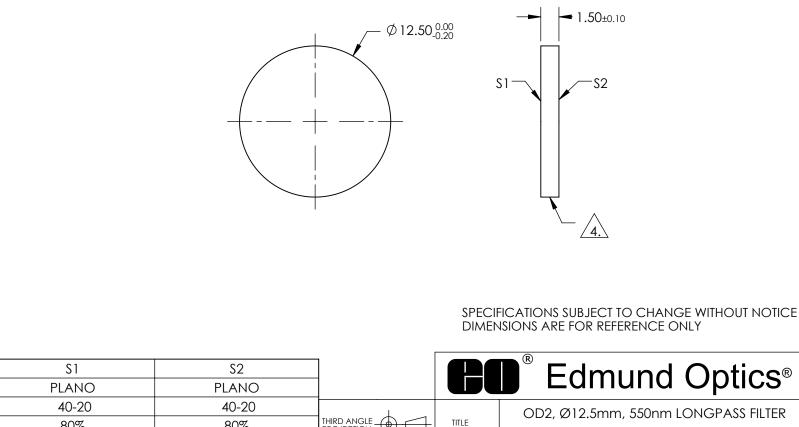
S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2



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



SHEET 1 OF 1



FOR INFORMATION ONLY:

PARTS TO THIS DRAWING

ANUFACT

**URE** 

## LONGPASS FILTER

Т

	51	52				$\blacksquare$ $\square$
Shape	PLANO	PLANO				Eamund Optic
SURFACE QUALITY	40-20	40-20				OD2, Ø12.5mm, 550nm LONGPASS FI
CLEAR APERTURE	80%	80%	THIRD ANGLE PROJECTION	$\odot$	TITLE	
COATING APERTURE	Ø11.00	Ø11.00	-	1		
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	49027

- 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)

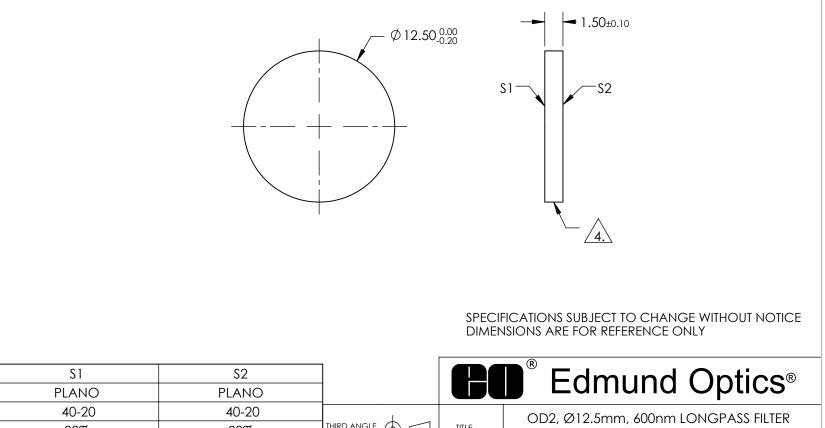
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 625 - 2000nm T(AVG): < 1% FROM 460 - 570nm T(ABS): = 50% @ 600nm

S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2



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





ANUFACT

## LONGPASS FILTER

Т

	01	02					<b>C</b> ®
SHAPE	PLANO	PLANO				Eamuna Optic	5
SURFACE QUALITY	40-20	40-20				OD2, Ø12.5mm, 600nm LONGPASS FI	ITFR
CLEAR APERTURE	80%	80%	THIRD ANGLE		TITLE		
COATING APERTURE	Ø11.00	Ø11.00		1			QUEET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	49028	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

S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2

- 4. FINE GRIND SURFACE
- 5. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ WAVE

Ø11.00

PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED

Ø11.00

6. ROHS COMPLIANT

Т

SHAPE

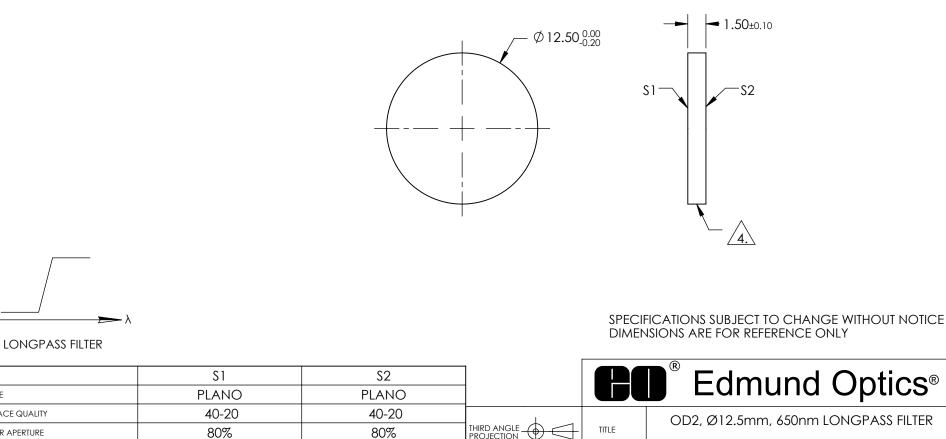
BEVEL

SURFACE QUALITY

CLEAR APERTURE

COATING APERTURE





ALL DIMS IN

mm

DWG NO

49029

- 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)

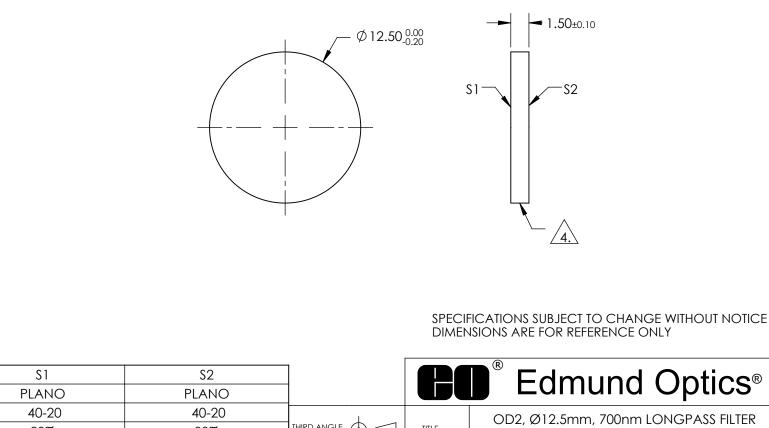
PERFORMANCE SPECIFICATIONS @ 0° AOI T(AVG): >85% FROM 725 - 2000nm T(AVG): < 1% FROM 535 - 660nm T(ABS): = 50% @ 700nm

S1: MULTILAYER DIELECTRIC COATING S2: SINGLE LAYER MgF2



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





### LONGPASS FILTER

Т

	01	02					<b>CC</b> <sup>®</sup>
SHAPE	PLANO	PLANO				Eamuna Opti	63
SURFACE QUALITY	40-20	40-20				OD2, Ø12.5mm, 700nm LONGPASS	FII TER
CLEAR APERTURE	80%	80%	THIRD ANGLE		TITLE		
COATING APERTURE	Ø11.00	Ø11.00		1			OLIFET.
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	49030	SHEET 1 OF 1