

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

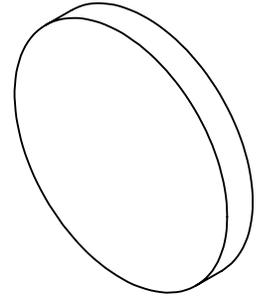
T(avg): ≥91% FROM 400 - 740nm

T(avg): ≤0.01% FROM 775 - 1125nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 750nm ± 1%

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

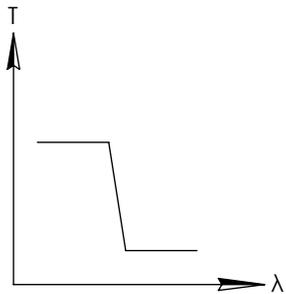
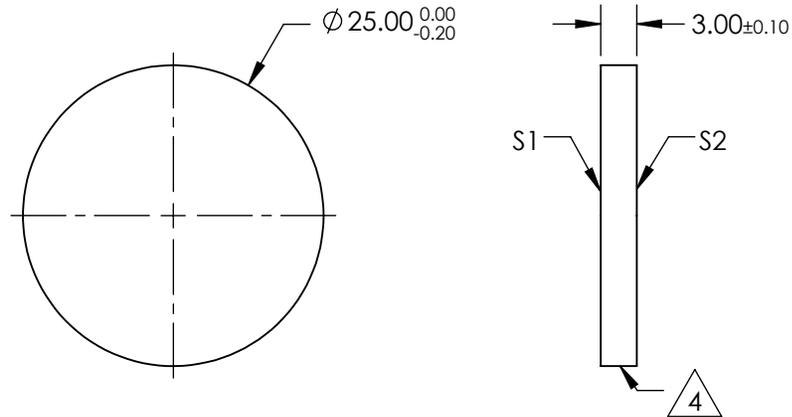


4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



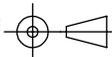
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 750nm, SHORTPASS FILTER

DWG NO

64332

SHEET
1 OF 1

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

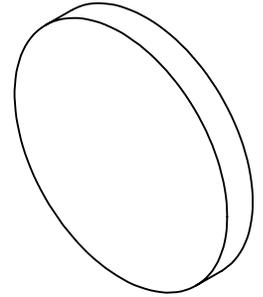
T(avg): ≥91% FROM 400 - 790nm

T(avg): ≤0.01% FROM 825 - 1190nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 800nm ± 1%

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PARTS TO THIS DRAWING

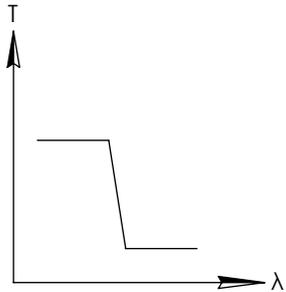
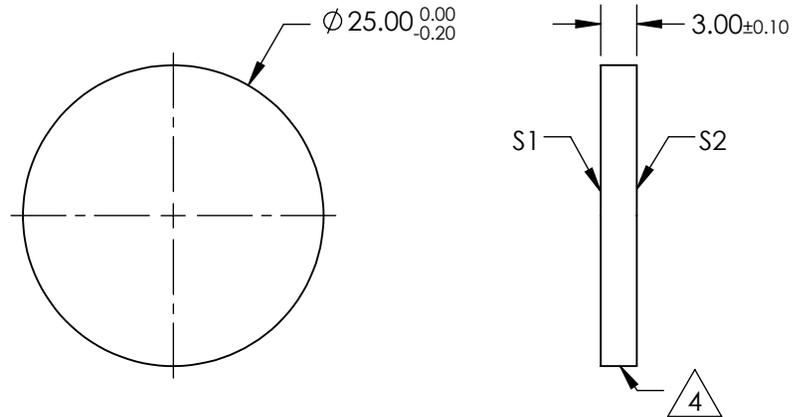


4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION

ALL DIMS IN mm

TITLE	OD4, Ø25mm, 800nm, SHORTPASS FILTER
DWG NO	64333
SHEET	1 OF 1

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

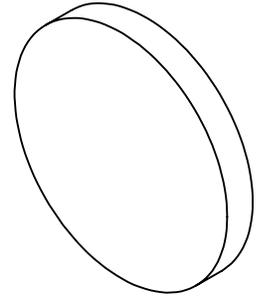
T(avg): ≥91% FROM 400 - 840nm

T(avg): ≤0.01% FROM 880 - 1190nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 850nm ± 1%

FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING

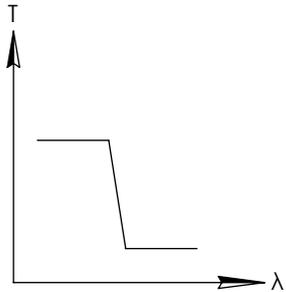
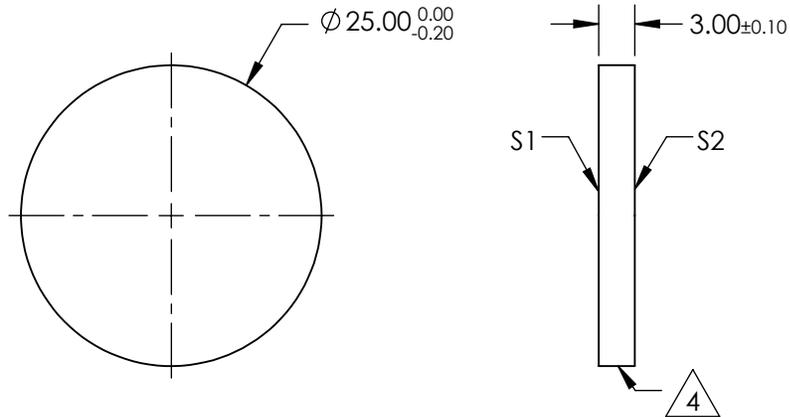


4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



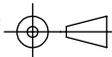
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 850nm, SHORTPASS FILTER

DWG NO

64334

SHEET
1 OF 1

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

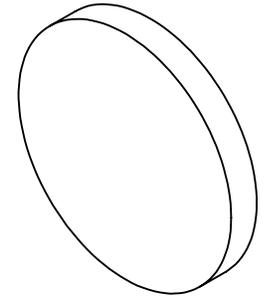
T(avg): ≥91% FROM 425 - 890nm

T(avg): ≤0.01% FROM 930 - 1250nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 900nm ± 1%

FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING

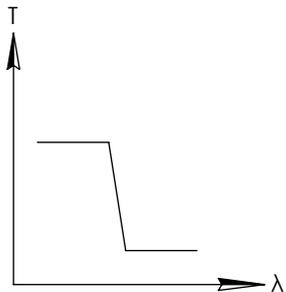
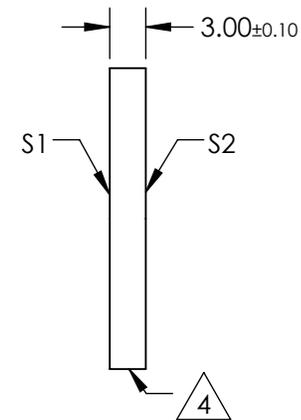
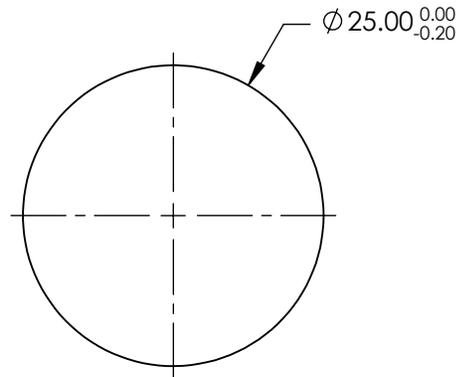


4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



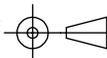
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 900nm, SHORTPASS FILTER

DWG NO

64335

SHEET
1 OF 1

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

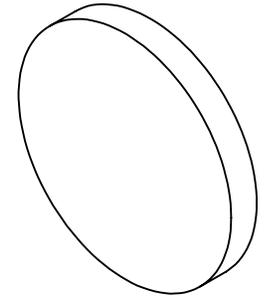
T(avg): ≥91% FROM 450 - 939nm

T(avg): ≤0.01% FROM 980 - 1325nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 950nm ± 1%

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

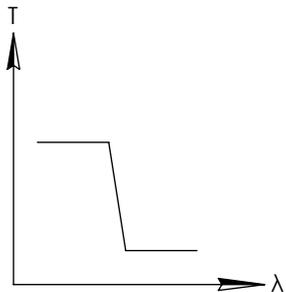
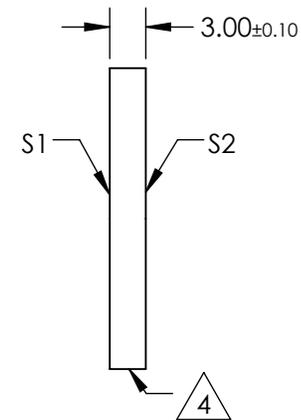
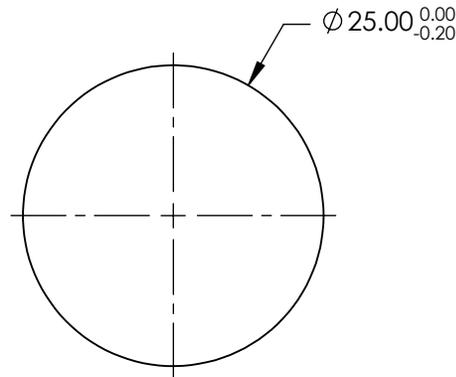


4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



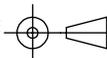
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 950nm, SHORTPASS FILTER

DWG NO

64336

SHEET
1 OF 1

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

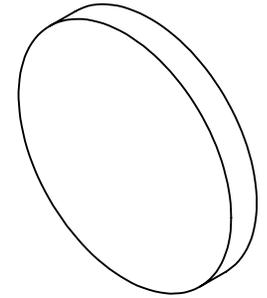
T(avg): ≥91% FROM 465 - 988nm

T(avg): ≤0.01% FROM 1035 - 1400nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 1000nm ± 1%

FOR INFORMATION ONLY:
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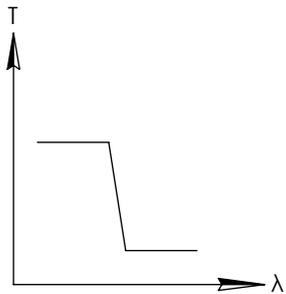
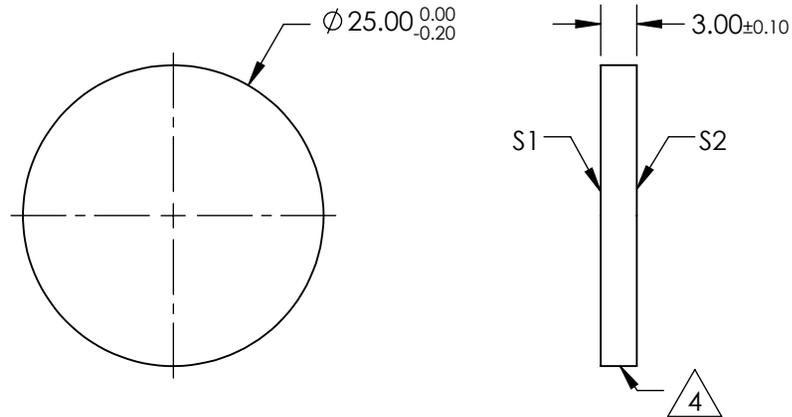


4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



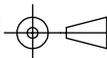
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 1000nm, SHORTPASS FILTER

DWG NO

64337

SHEET
1 OF 1

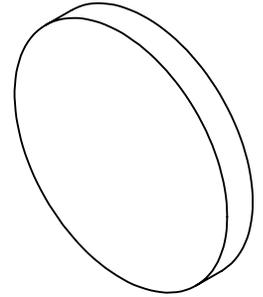
NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

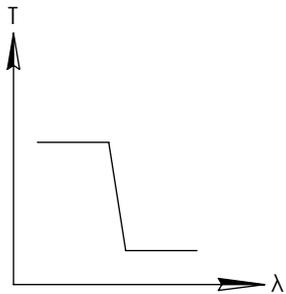
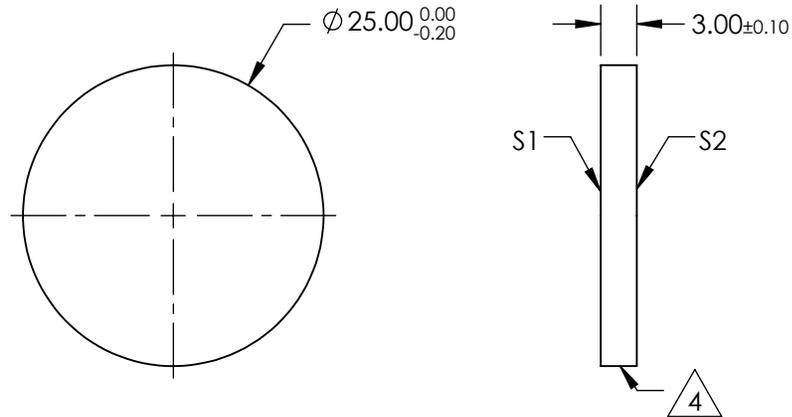
PERFORMANCE SPECIFICATIONS: @ 0° AOI
 T(avg): ≥91% FROM 485 - 1036nm
 T(avg): ≤0.01% FROM 1085 - 1460nm
 CUT-OFF SLOPE: <1%
 CUT-OFF WAVELENGTH: 1050nm ± 1%

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 PARTS TO THIS DRAWING**



4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ
7. ROHS COMPLIANT



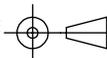
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
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EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 1050nm, SHORTPASS FILTER

DWG NO

64338

SHEET
1 OF 1

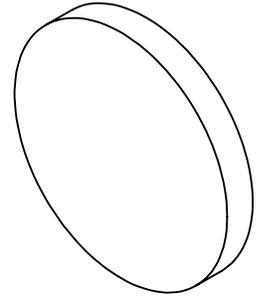
NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

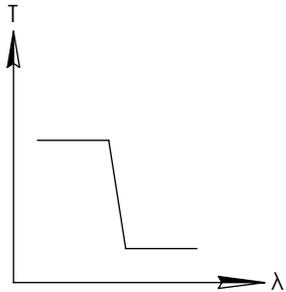
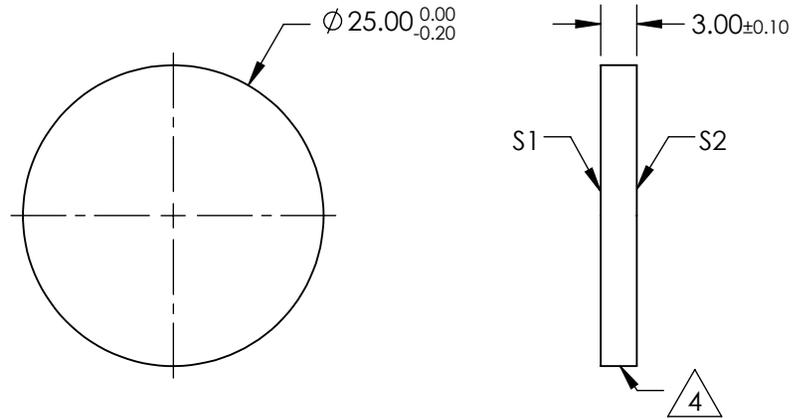
PERFORMANCE SPECIFICATIONS: @ 0° AOI
 T(avg): ≥91% FROM 510 - 1085nm
 T(avg): ≤0.01% FROM 1140 - 1530nm
 CUT-OFF SLOPE: <1%
 CUT-OFF WAVELENGTH: 1100nm ± 1%

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4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ
7. ROHS COMPLIANT



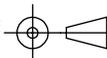
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 1100nm, SHORTPASS FILTER

DWG NO

64339

SHEET
1 OF 1

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

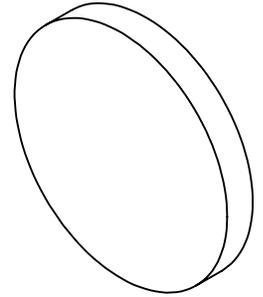
T(avg): ≥91% FROM 400 - 710nm

T(avg): ≤0.01% FROM 740 - 1090nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 725nm ± 1%

FOR INFORMATION ONLY:
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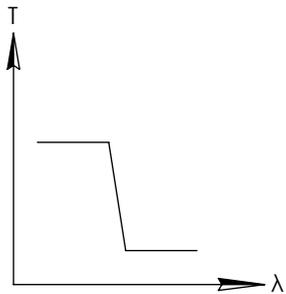
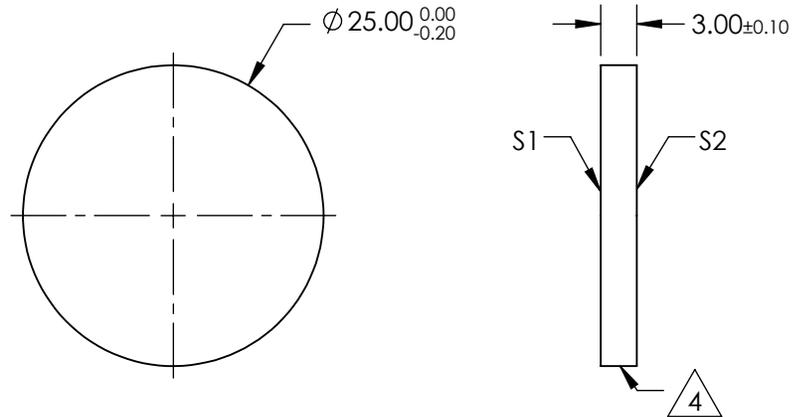


4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



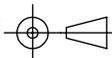
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 725nm, SHORTPASS FILTER

DWG NO

86103

SHEET
1 OF 1

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

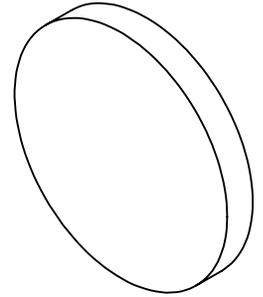
T(avg): ≥91% FROM 400 - 760nm

T(avg): ≤0.01% FROM 795 - 1155nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 775nm ± 1%

FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING

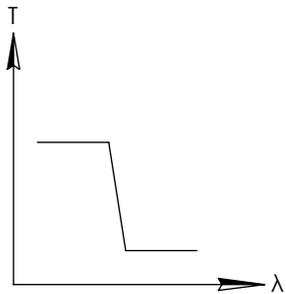
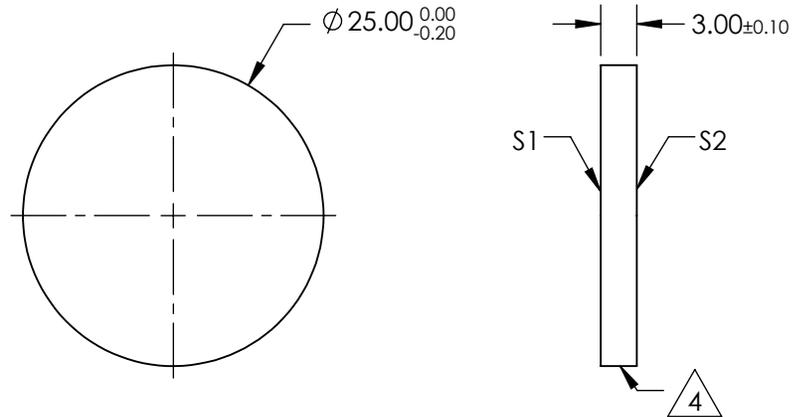


4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



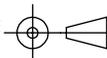
SHORTPASS FILTER

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EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 775nm, SHORTPASS FILTER

DWG NO

86104

SHEET
1 OF 1

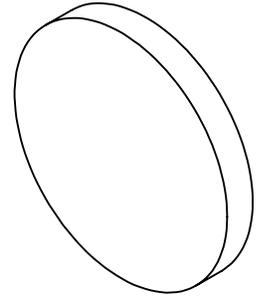
NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

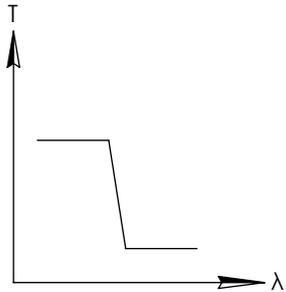
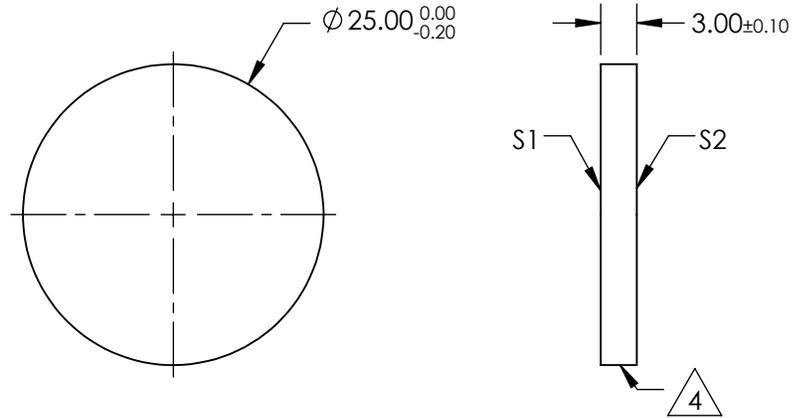
PERFORMANCE SPECIFICATIONS: @ 0° AOI
 T(avg): ≥91% FROM 400 - 810nm
 T(avg): ≤0.01% FROM 850 - 1190nm
 CUT-OFF SLOPE: <1%
 CUT-OFF WAVELENGTH: 825nm ± 1%

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



4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ
7. ROHS COMPLIANT



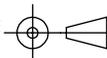
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 825nm, SHORTPASS FILTER

DWG NO

86105

SHEET
1 OF 1

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

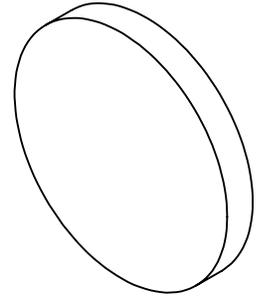
T(avg): ≥91% FROM 425 - 860nm

T(avg): ≤0.01% FROM 905 - 1220nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 875nm ± 1%

**FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING**

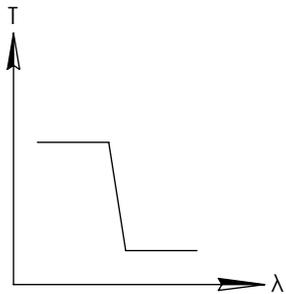
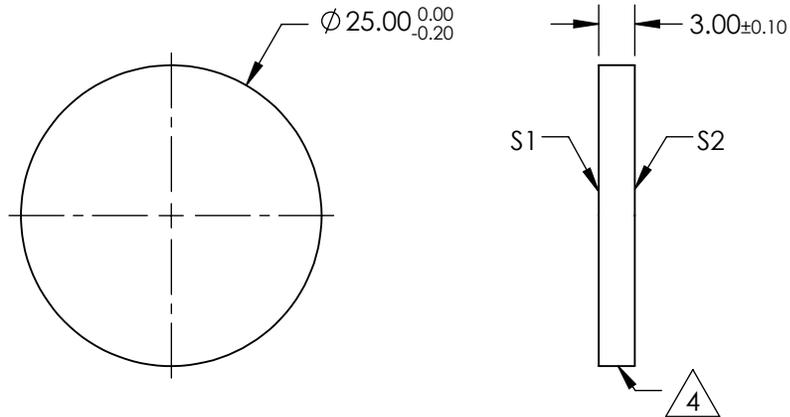


4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



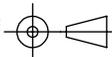
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 875nm, SHORTPASS FILTER

DWG NO

86106

SHEET
1 OF 1

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

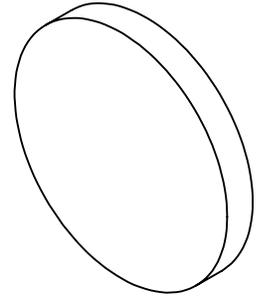
T(avg): ≥91% FROM 445 - 910nm

T(avg): ≤0.01% FROM 955 - 1290nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 925nm ± 1%

FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING

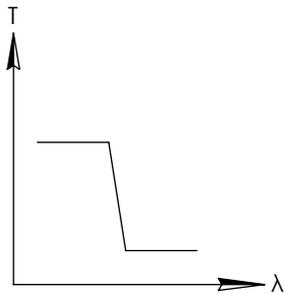
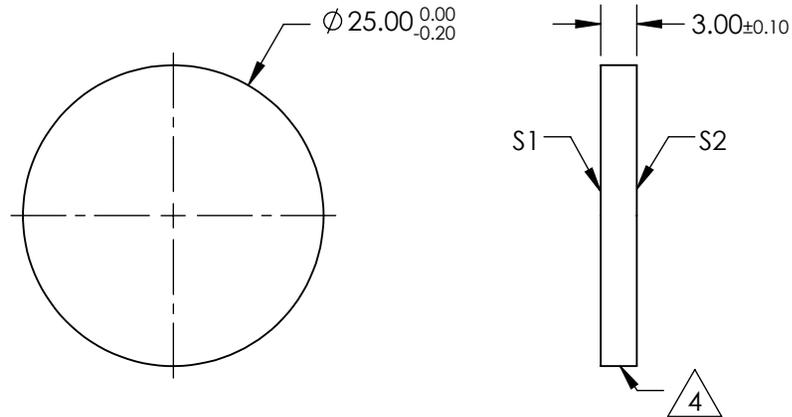


4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



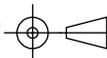
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 925nm, SHORTPASS FILTER

DWG NO

86107

SHEET
1 OF 1

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

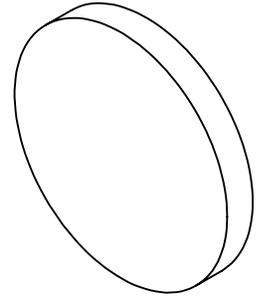
T(avg): ≥91% FROM 465 - 960nm

T(avg): ≤0.01% FROM 1005 - 1365nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 975nm ± 1%

FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING

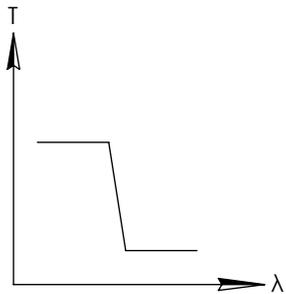
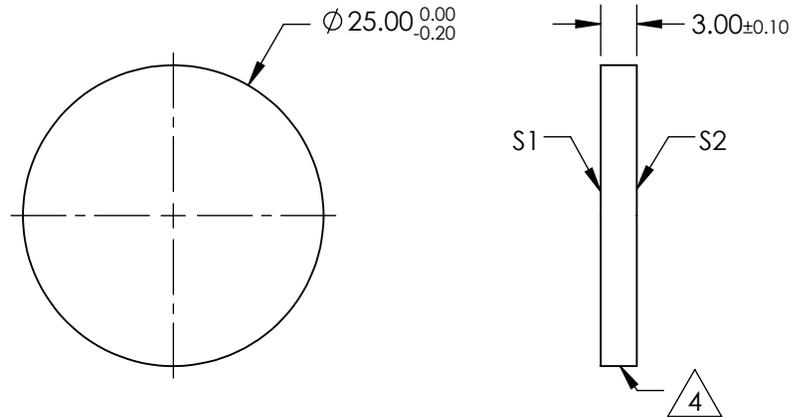


4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



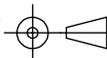
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 975nm, SHORTPASS FILTER

DWG NO

86108

SHEET
1 OF 1

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

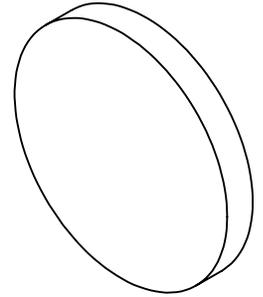
T(avg): ≥91% FROM 490 - 1010nm

T(avg): ≤0.01% FROM 1060 - 1430nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 1025nm ± 1%

FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING

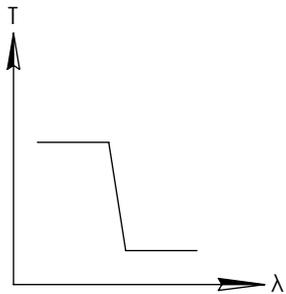
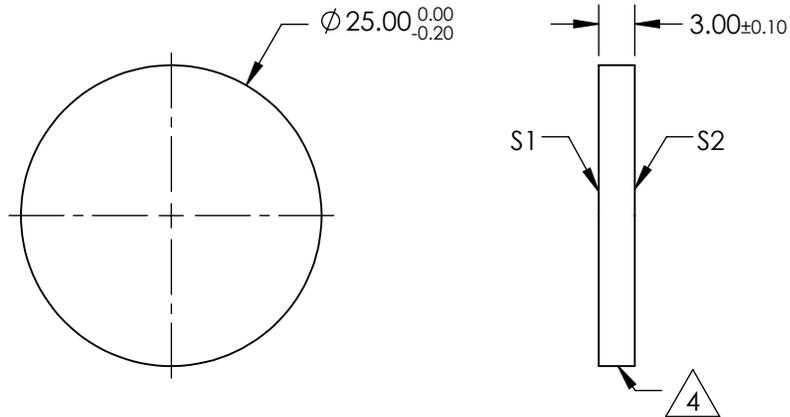


4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



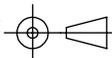
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 1025nm, SHORTPASS FILTER

DWG NO

86109

SHEET
1 OF 1

NOTES:

1. SUBSTRATE: UV GRADE FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <30 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

DURABILITY: MIL-C-48497A, SECT. 3.4.1

PERFORMANCE SPECIFICATIONS: @ 0° AOI

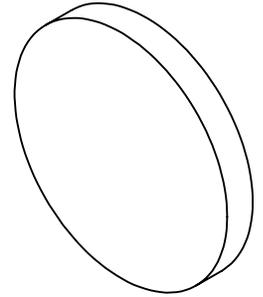
T(avg): ≥91% FROM 505 - 1060nm

T(avg): ≤0.01% FROM 1110 - 1495nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 1075nm ± 1%

**FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING**

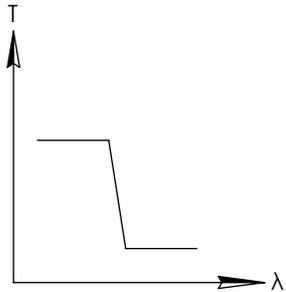
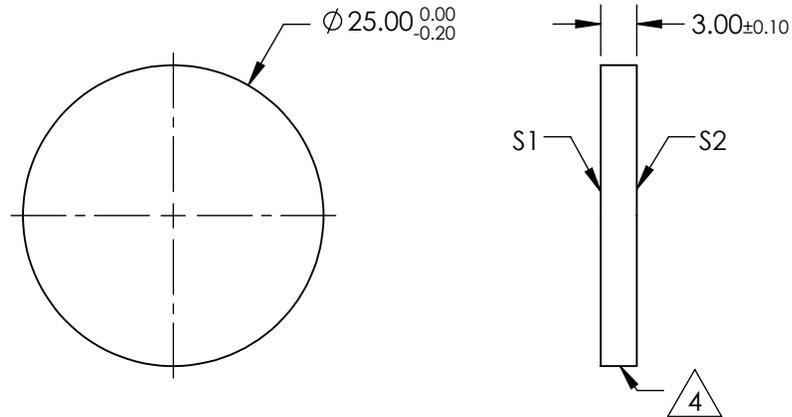


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APPLY ACROSS CLEAR APERTURE

6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ

7. ROHS COMPLIANT



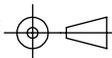
SHORTPASS FILTER

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EO® Edmund Optics®

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 1075nm, SHORTPASS FILTER

DWG NO

86110

SHEET
1 OF 1