

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

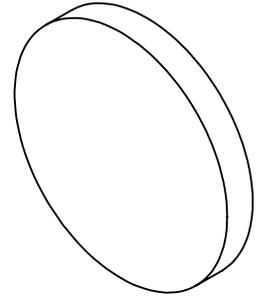
T(avg): ≥91% FROM 400 - 740nm

T(avg): ≤0.01% FROM 775 - 1125nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 750nm ± 1%

FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING

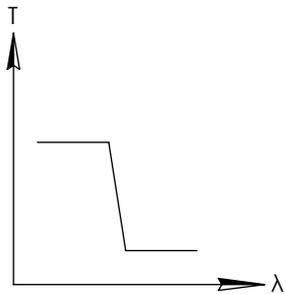
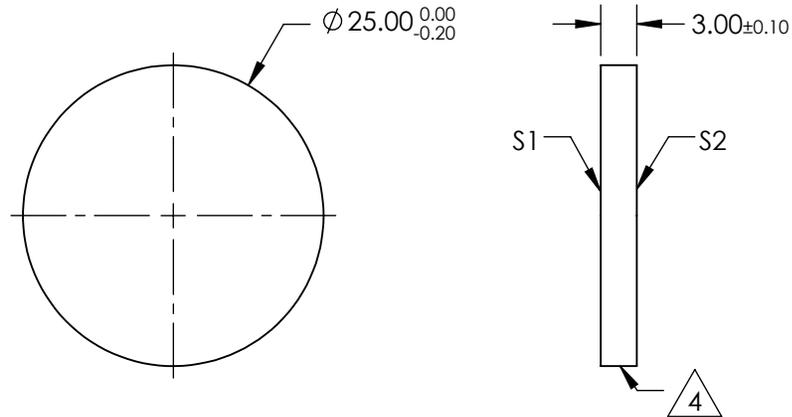


4. FINE GRIND SURFACE

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

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

7. ROHS COMPLIANT



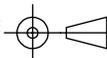
SHORTPASS FILTER

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, 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

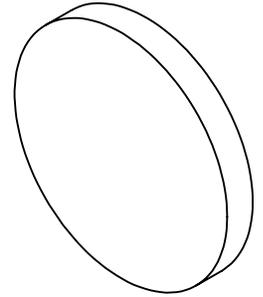
T(avg): ≥91% FROM 400 - 790nm

T(avg): ≤0.01% FROM 825 - 1190nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 800nm ± 1%

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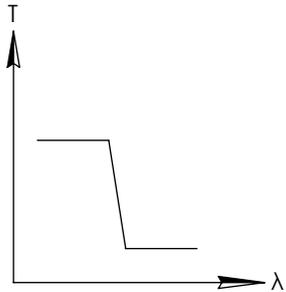
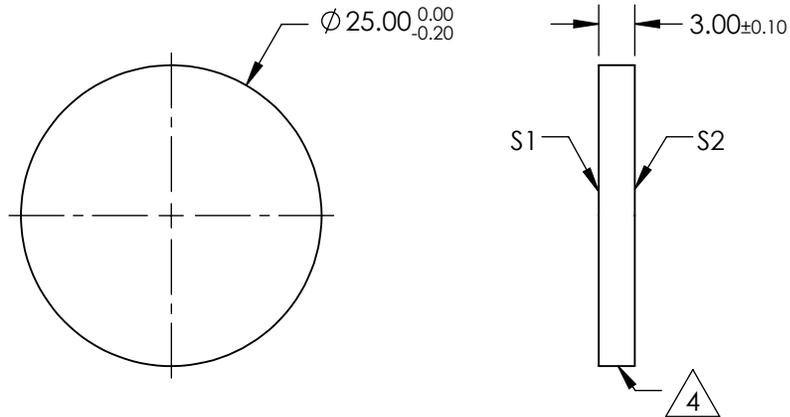


4. FINE GRIND SURFACE

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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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

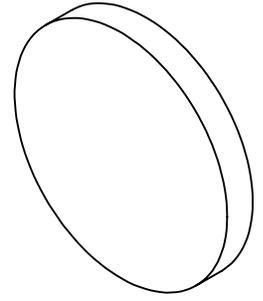
NOTES:

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

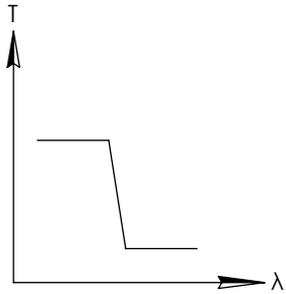
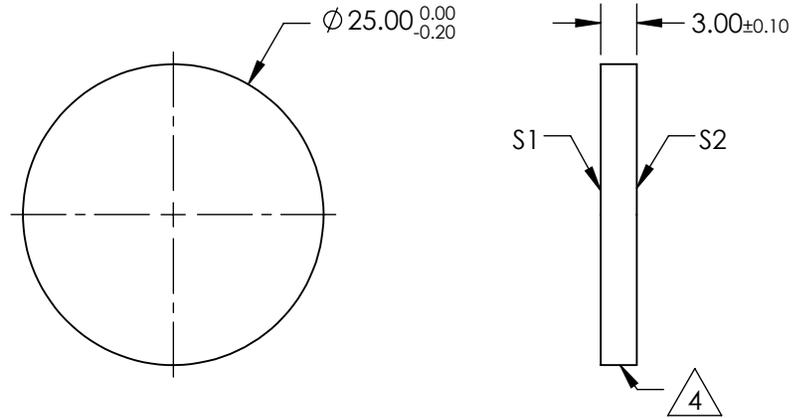
PERFORMANCE SPECIFICATIONS: @ 0° AOI
 T(avg): ≥91% FROM 400 - 840nm
 T(avg): ≤0.01% FROM 880 - 1190nm
 CUT-OFF SLOPE: <1%
 CUT-OFF WAVELENGTH: 850nm ± 1%

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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



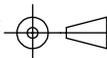
SHORTPASS FILTER

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

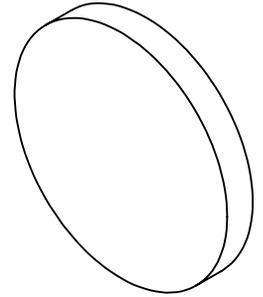
T(avg): ≥91% FROM 425 - 890nm

T(avg): ≤0.01% FROM 930 - 1250nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 900nm ± 1%

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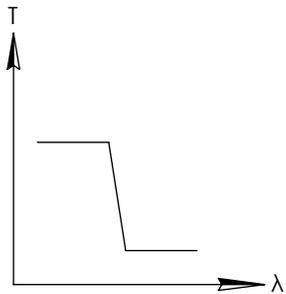
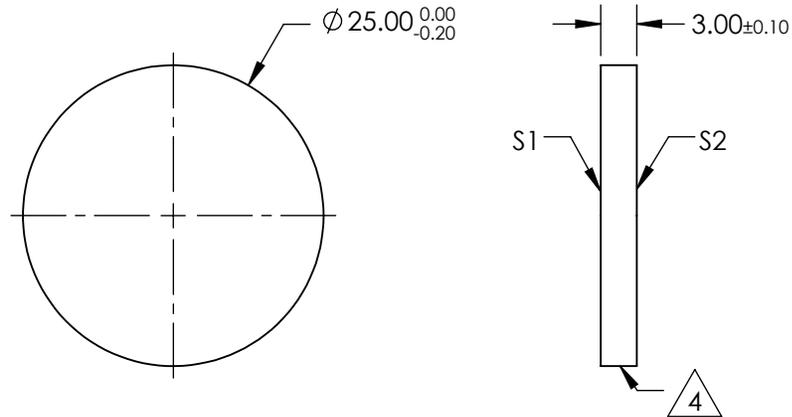


4. FINE GRIND SURFACE

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

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

7. ROHS COMPLIANT



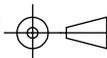
SHORTPASS FILTER

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, 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

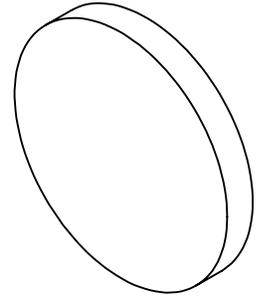
T(avg): ≥91% FROM 450 - 939nm

T(avg): ≤0.01% FROM 980 - 1325nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 950nm ± 1%

FOR INFORMATION ONLY:
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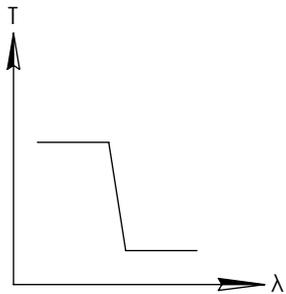
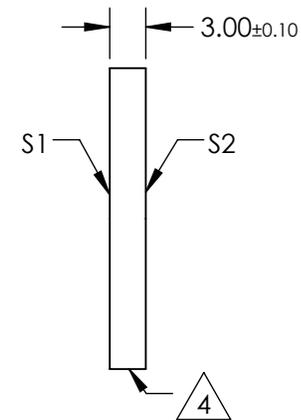
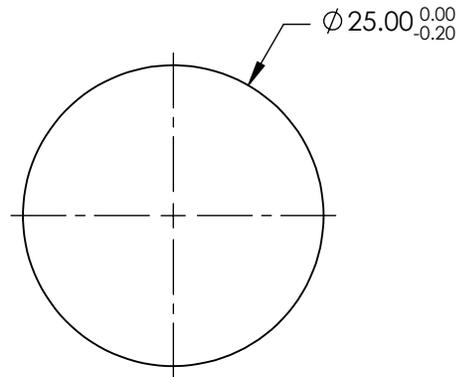


4. FINE GRIND SURFACE

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

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

7. ROHS COMPLIANT



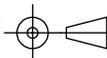
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
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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, 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

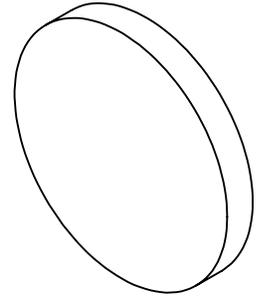
T(avg): ≥91% FROM 465 - 988nm

T(avg): ≤0.01% FROM 1035 - 1400nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 1000nm ± 1%

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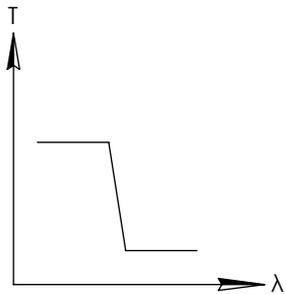
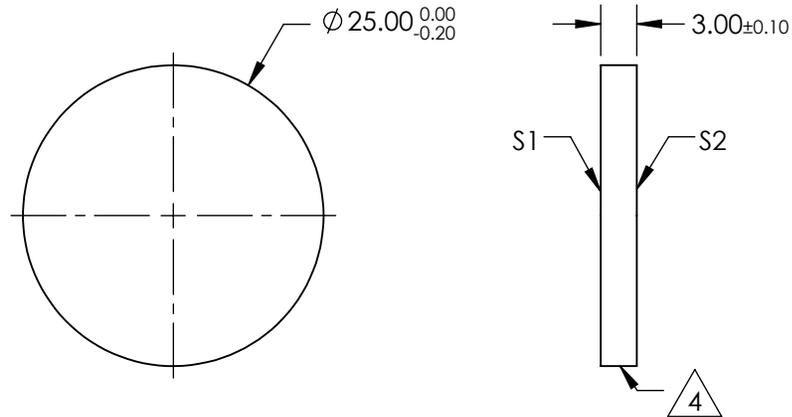


4. FINE GRIND SURFACE

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

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

7. ROHS COMPLIANT



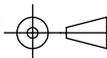
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	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 1000nm, SHORTPASS FILTER

DWG NO

64337

SHEET
1 OF 1

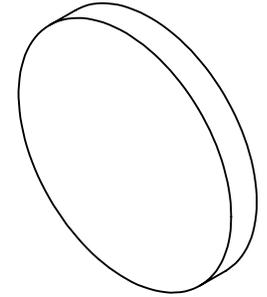
NOTES:

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3. COATING (APPLY ACROSS COATING APERTURE)

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

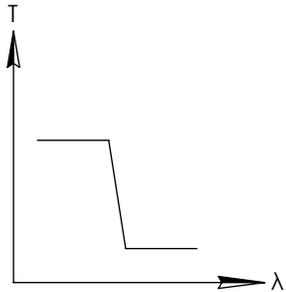
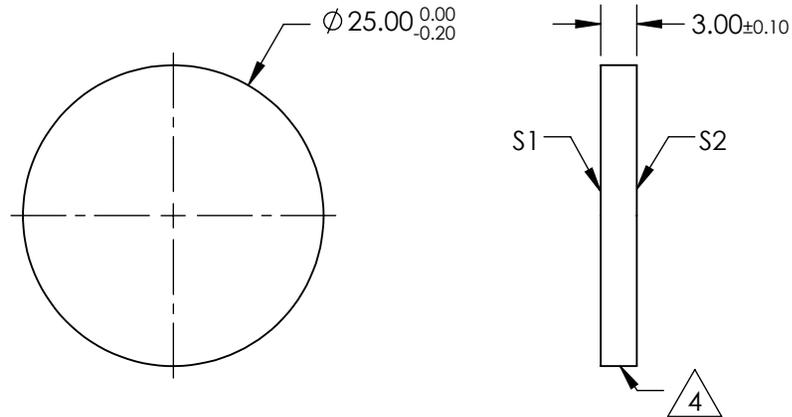
PERFORMANCE SPECIFICATIONS: @ 0° AOI
 T(avg): ≥91% FROM 485 - 1036nm
 T(avg): ≤0.01% FROM 1085 - 1460nm
 CUT-OFF SLOPE: <1%
 CUT-OFF WAVELENGTH: 1050nm ± 1%

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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



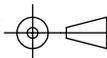
SHORTPASS FILTER

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	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

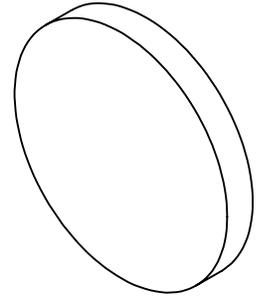
T(avg): ≥91% FROM 510 - 1085nm

T(avg): ≤0.01% FROM 1140 - 1530nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 1100nm ± 1%

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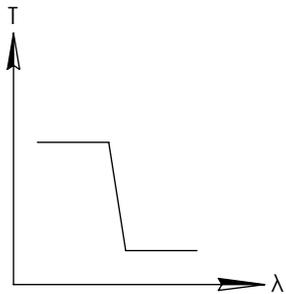
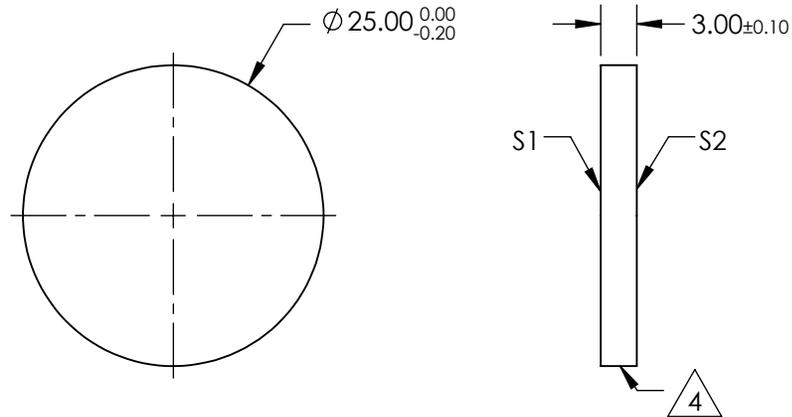


4. FINE GRIND SURFACE

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

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

7. ROHS COMPLIANT



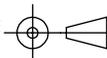
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	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

OD4, Ø25mm, 1100nm, SHORTPASS FILTER

DWG NO

64339

SHEET
1 OF 1