

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

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 300 - 392nm

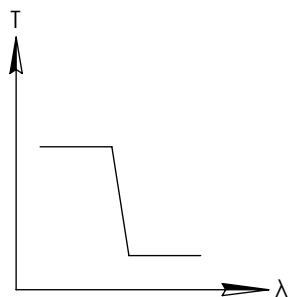
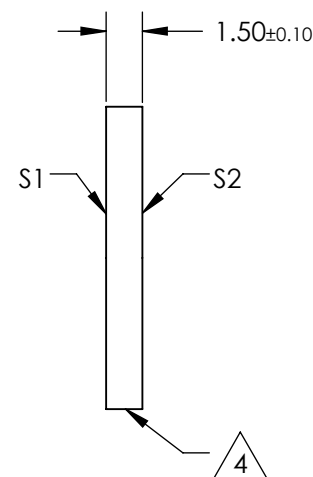
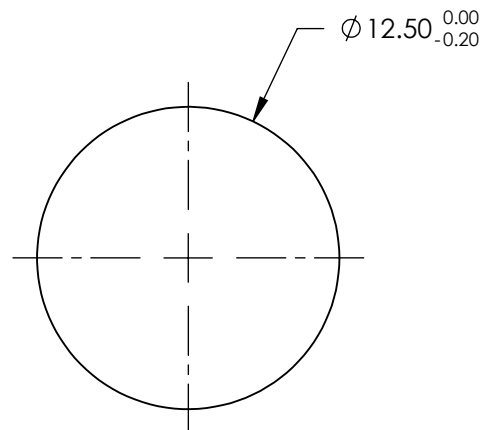
T(avg): ≤ 0.01% FROM 410 - 610nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 400nm ±1%

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

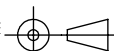


SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	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



**Edmund Optics®**

TITLE

OD4, Ø12.5mm, 400nm, SHORTPASS FILTER

DWG NO

84689

SHEET  
1 OF 1

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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 300 - 417nm

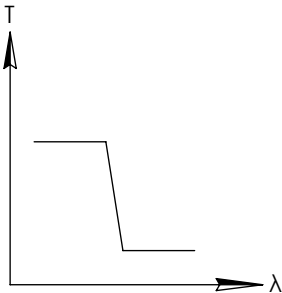
T(avg): ≤ 0.01% FROM 435 - 635nm

CUT-OFF SLOPE: <1%

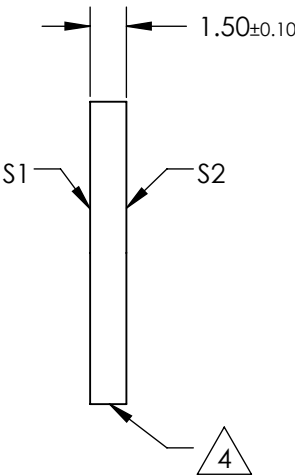
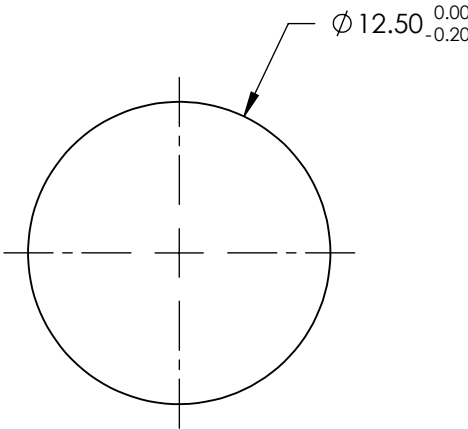
CUT-OFF WAVELENGTH: 425nm ±1%

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



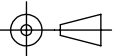
SHORTPASS FILTER



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	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



**Edmund Optics®**

TITLE

OD4, Ø12.5mm, 425nm, SHORTPASS FILTER

DWG NO

84690

SHEET  
1 OF 1

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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 300 - 441nm

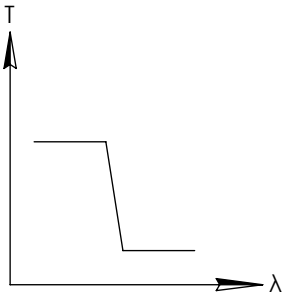
T(avg): ≤ 0.01% FROM 460 - 660nm

CUT-OFF SLOPE: <1%

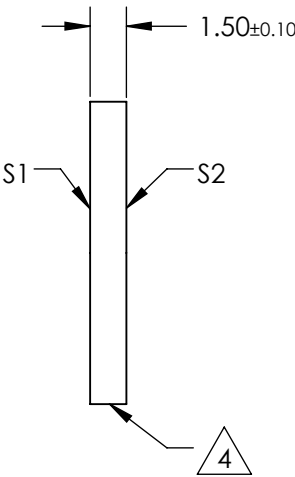
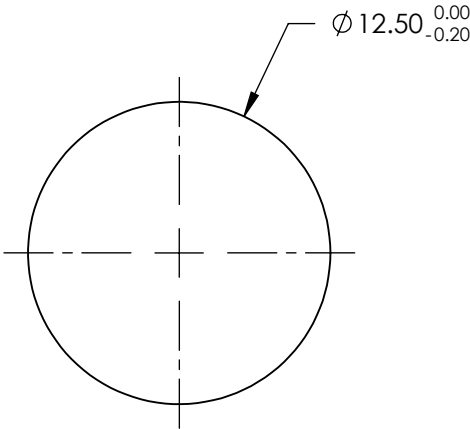
CUT-OFF WAVELENGTH: 450nm ±1%

 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



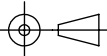
SHORTPASS FILTER



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	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



**Edmund Optics®**

TITLE

OD4, Ø12.5mm, 450nm, SHORTPASS FILTER

DWG NO

84691

SHEET  
1 OF 1

**FOR INFORMATION ONLY:  
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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 300 - 466nm

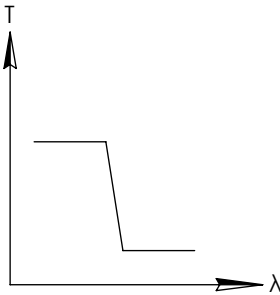
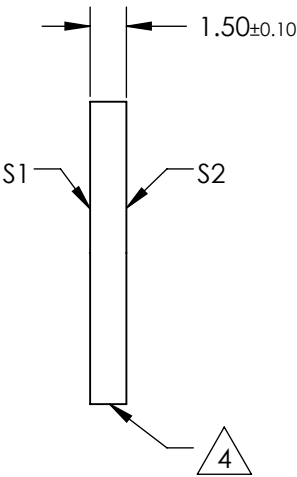
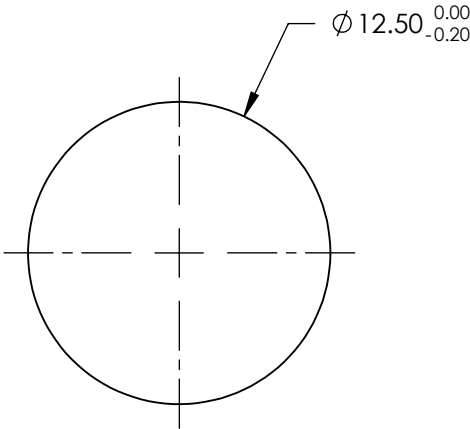
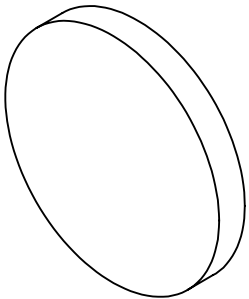
T(avg): ≤ 0.01% FROM 485 - 685nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 475nm ±1%

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

	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		Edmund Optics®	
ALL DIMS IN		TITLE	OD4, Ø12.5mm, 475nm, SHORTPASS FILTER
mm		DWG NO	84692
		SHEET 1 OF 1	

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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 300 - 490nm

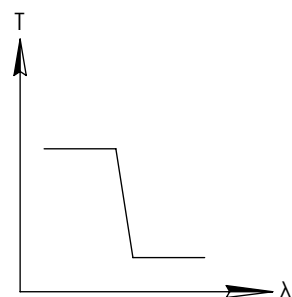
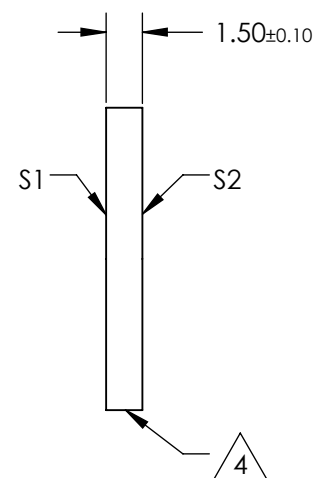
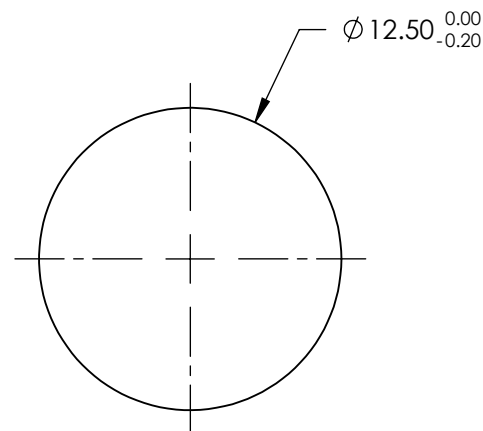
T(avg): ≤ 0.01% FROM 512 - 715nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 500nm ±1%

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

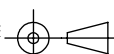


SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	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

**Edmund Optics®**

TITLE

OD4, Ø12.5mm, 500nm, SHORTPASS FILTER

DWG NO

84693

SHEET  
1 OF 1

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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 300 - 515nm

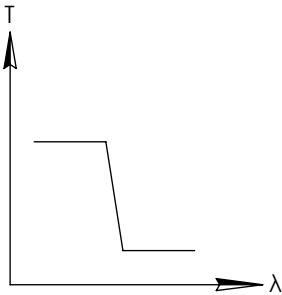
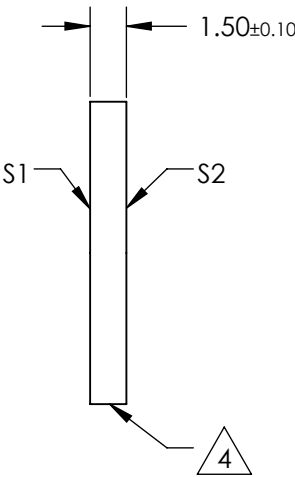
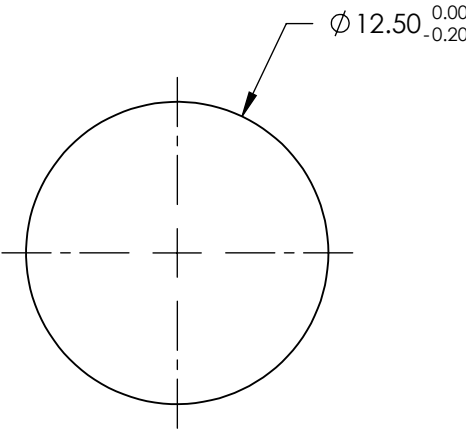
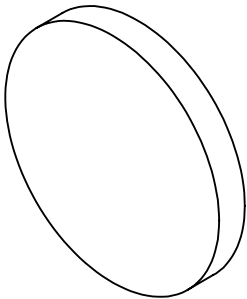
T(avg): ≤ 0.01% FROM 537 - 740nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 525nm ±1%

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

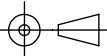


SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
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	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



**Edmund Optics®**

TITLE

OD4, Ø12.5mm, 525nm, SHORTPASS FILTER

DWG NO

84694

SHEET  
1 OF 1

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NOTES:

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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 350 - 539nm

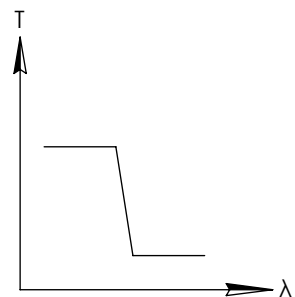
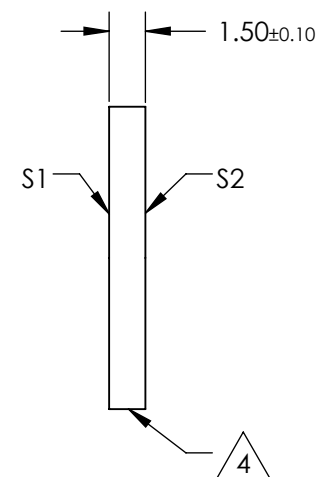
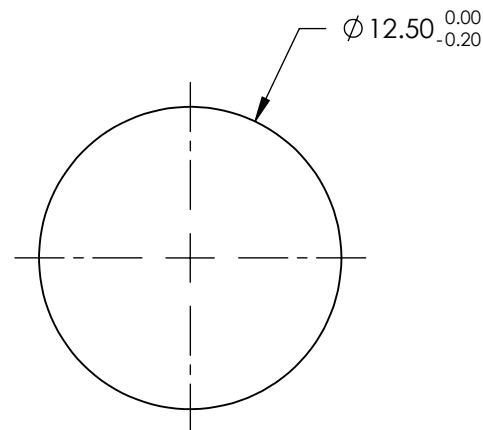
T(avg): ≤ 0.01% FROM 562 - 825nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 550nm ±1%

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

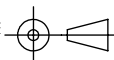


SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
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	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



**Edmund Optics®**

TITLE

OD4, Ø12.5mm, 550nm, SHORTPASS FILTER

DWG NO

84695

SHEET  
1 OF 1

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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 350 - 564nm

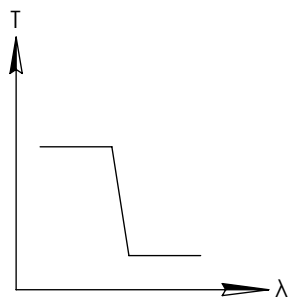
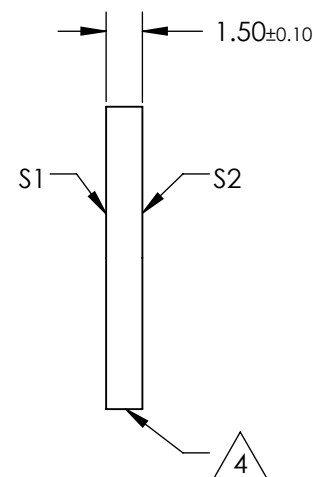
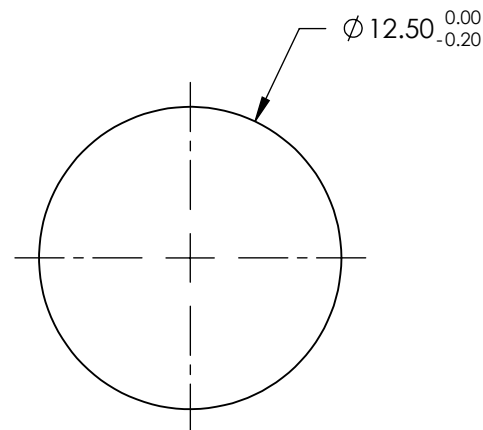
T(avg): ≤ 0.01% FROM 587 - 850nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 575nm ±1%

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

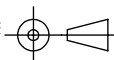


SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	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



**Edmund Optics®**

TITLE

OD4, Ø12.5mm, 575nm, SHORTPASS FILTER

DWG NO

84696

SHEET  
1 OF 1



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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 350 - 587nm

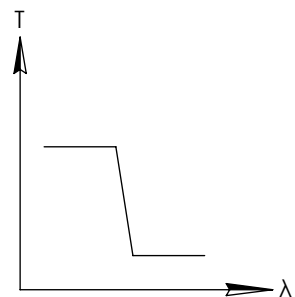
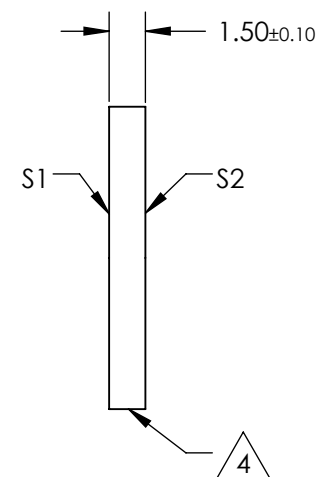
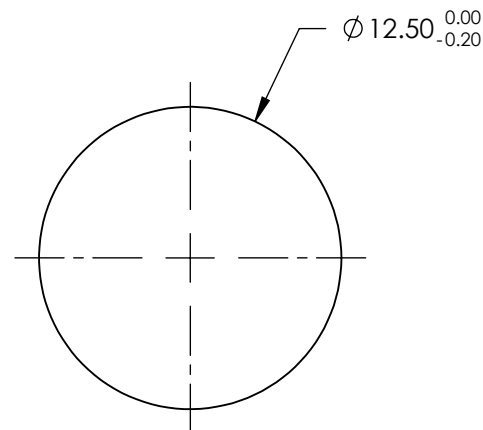
T(avg): ≤ 0.01% FROM 614 - 900nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 600nm ±1%

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

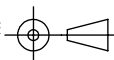


SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	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



**Edmund Optics®**

TITLE

OD4, Ø12.5mm, 600nm, SHORTPASS FILTER

DWG NO

84697

SHEET  
1 OF 1

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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 350 - 612nm

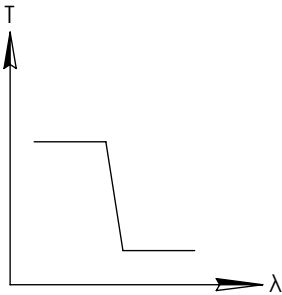
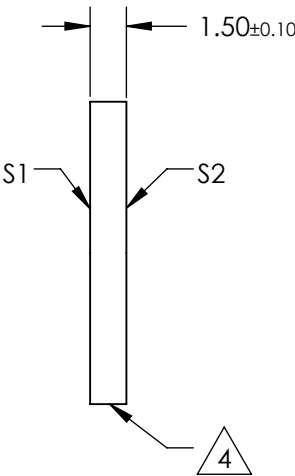
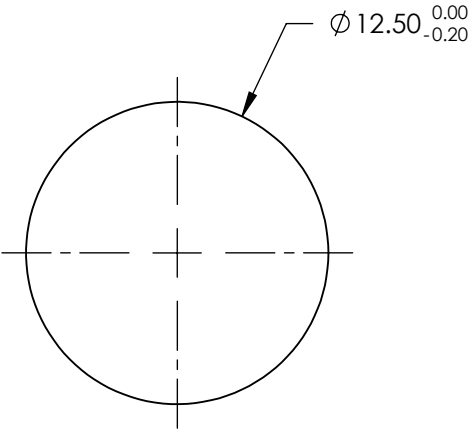
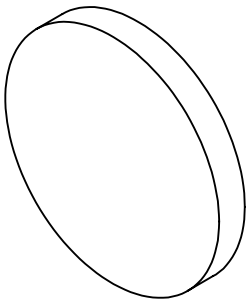
T(avg): ≤ 0.01% FROM 639 - 925nm

CUT-OFF SLOPE: <1%

CUT-OFF WAVELENGTH: 625nm ±1%

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

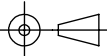


SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	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



**Edmund Optics®**

TITLE

OD4, Ø12.5mm, 625nm, SHORTPASS FILTER

DWG NO

84698

SHEET  
1 OF 1

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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 350 - 636nm

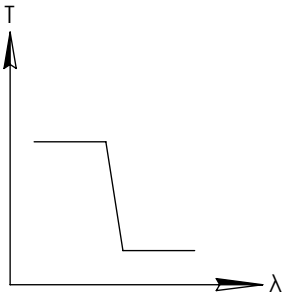
T(avg): ≤ 0.01% FROM 665 - 960nm

CUT-OFF SLOPE: <1%

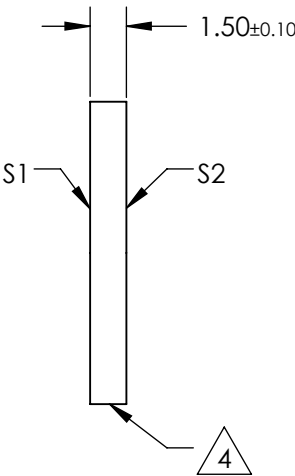
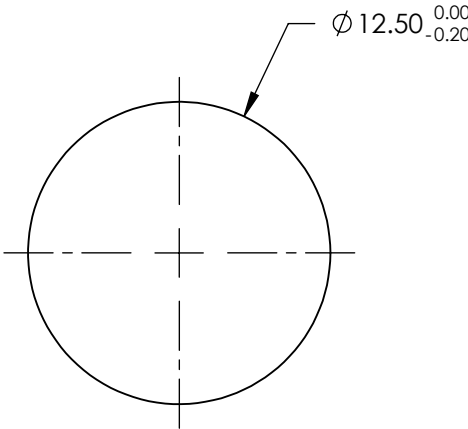
CUT-OFF WAVELENGTH: 650nm ±1%

 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

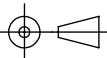


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

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

 **Edmund Optics®**

THIRD ANGLE  
PROJECTION



TITLE

OD4, Ø12.5mm, 650nm, SHORTPASS FILTER

DWG NO

84699

SHEET  
1 OF 1

ALL DIMS IN

mm

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

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 350 - 661nm

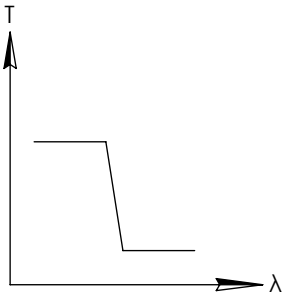
T(avg): ≤ 0.01% FROM 690 - 1000nm

CUT-OFF SLOPE: <1%

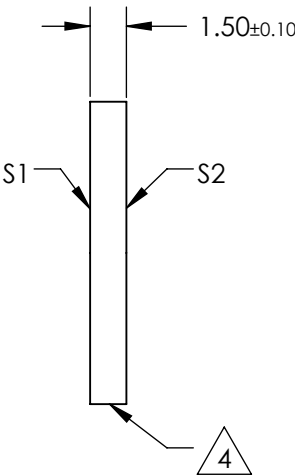
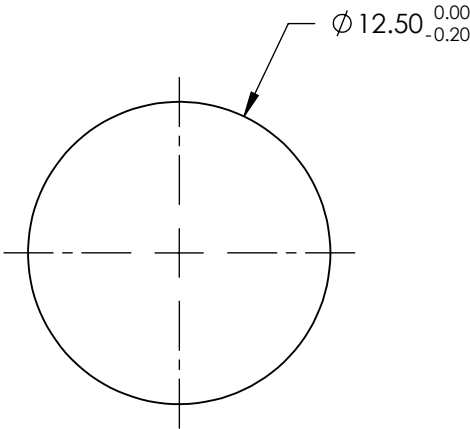
CUT-OFF WAVELENGTH: 675nm ±1%

**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



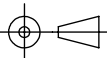
SHORTPASS FILTER



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	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



**Edmund Optics®**

TITLE

OD4, Ø12.5mm, 675nm, SHORTPASS FILTER

DWG NO

84700

SHEET  
1 OF 1

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

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 - 685nm

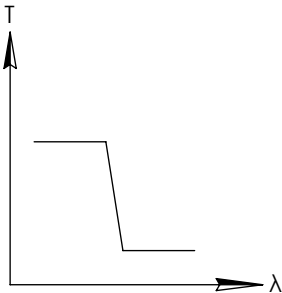
T(avg): ≤ 0.01% FROM 715 - 1050nm

CUT-OFF SLOPE: <1%

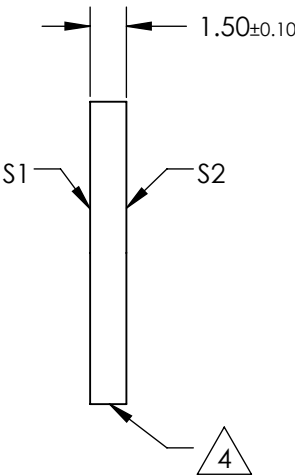
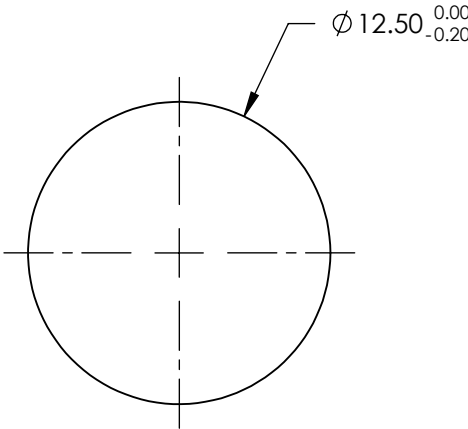
CUT-OFF WAVELENGTH: 700nm ±1%

 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



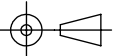
SHORTPASS FILTER



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	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



**Edmund Optics®**

TITLE

OD4, Ø12.5mm, 700nm, SHORTPASS FILTER

DWG NO

84701

SHEET  
1 OF 1