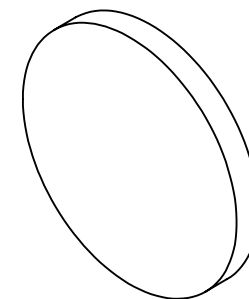


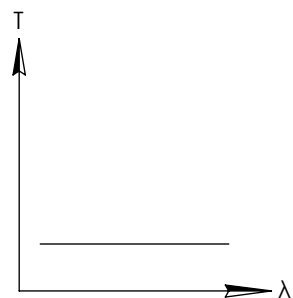
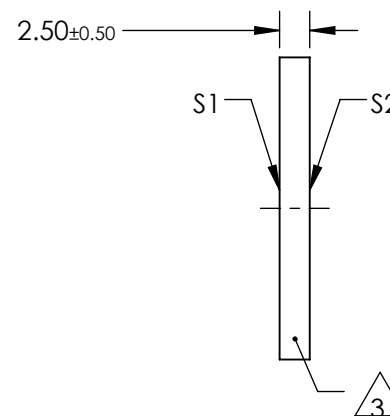
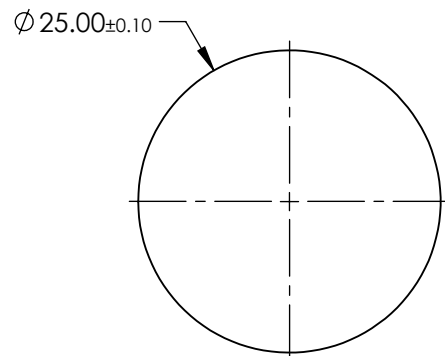
NOTES:

1. SUBSTRATE:
HOYA GLASS: ND-70
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

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




3. FINE GRIND SURFACE
4. OPTICAL DENSITY: 0.15 ± 0.03
5. TRANSMISSION (%): 70 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

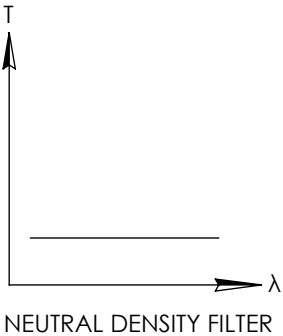
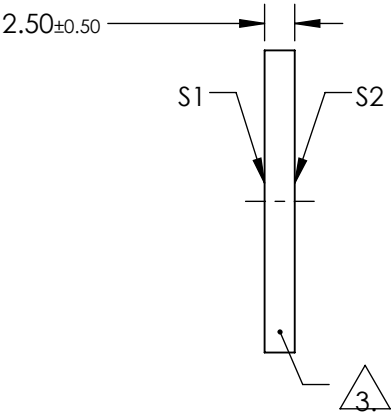
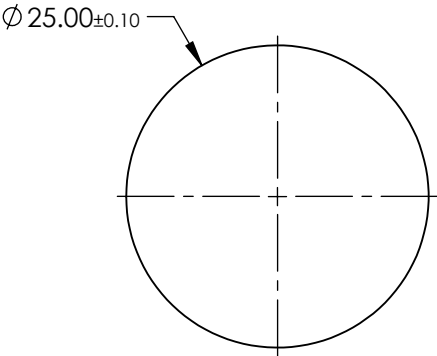
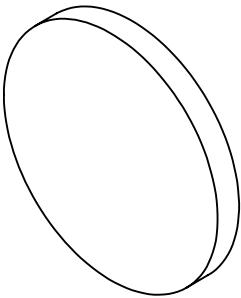


	S1	S2	<div>THIRD ANGLE PROJECTION</div> 		TITLE	OD 0.15, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO					
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	46211	SHEET 1 OF 1

NOTES:

- 1. SUBSTRATE:
HOYA GLASS: ND-50
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm
- 3. FINE GRIND SURFACE
- 4. OPTICAL DENSITY: 0.3 ±0.05
- 5. TRANSMISSION (%): 50 % AVERAGE FROM 400-700nm
- 6. ROHS COMPLIANT

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



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

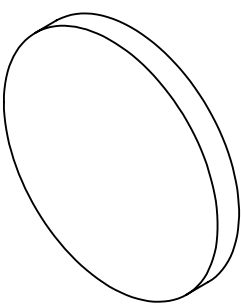
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	S1	S2	THIRD ANGLE PROJECTION				TITLE		OD 0.3, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO								
SURFACE QUALITY	80-50	80-50								
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	46212			SHEET 1 OF 1	

NOTES:

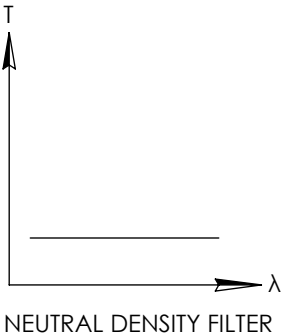
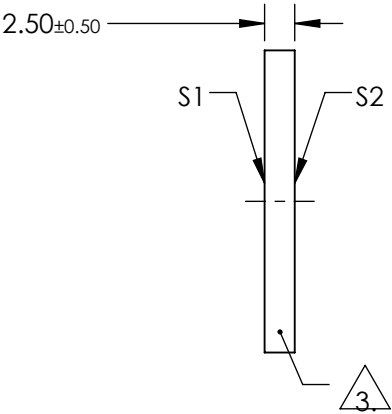
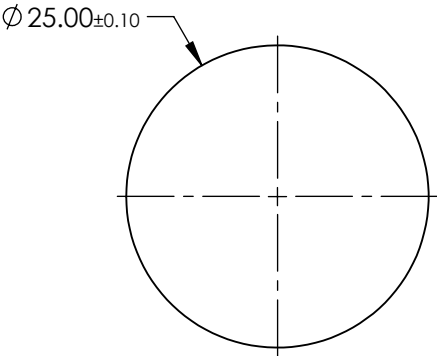
- 1. SUBSTRATE:
HOYA GLASS: ND-40
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

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



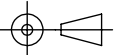
3. FINE GRIND SURFACE

- 4. OPTICAL DENSITY: 0.4 ±0.05
- 5. TRANSMISSION (%): 40 % AVERAGE FROM 400-700nm
- 6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

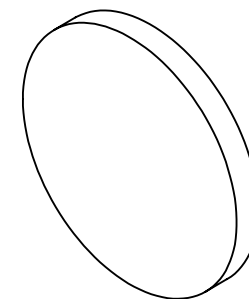
Edmund Optics®

	S1	S2	THIRD ANGLE PROJECTION 				TITLE		OD 0.4, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	46213	SHEET	1 OF 1		
SURFACE QUALITY	80-50	80-50								
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED								

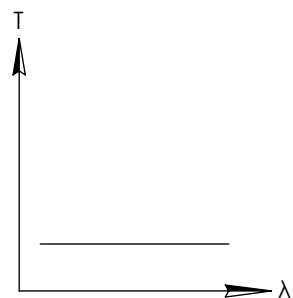
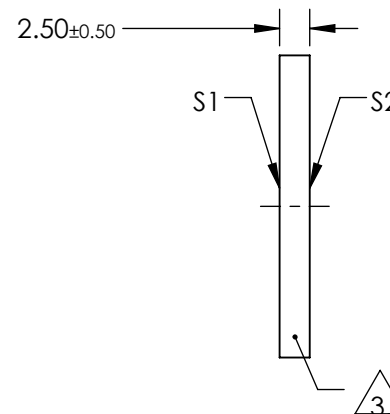
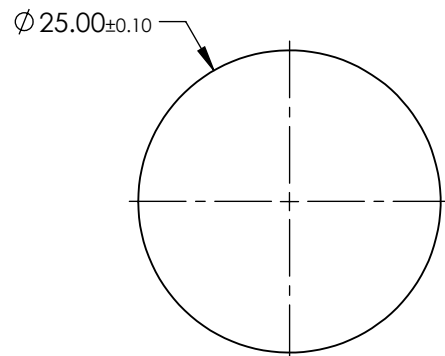
NOTES:

1. SUBSTRATE:
HOYA GLASS: ND-25
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

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




3. FINE GRIND SURFACE
4. OPTICAL DENSITY: 0.6 ± 0.05
5. TRANSMISSION (%): 25 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

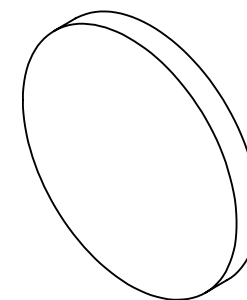


	S1	S2	<div>THIRD ANGLE PROJECTION</div> 		TITLE	OD 0.6, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO					
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	46214	SHEET 1 OF 1

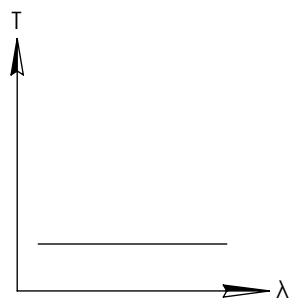
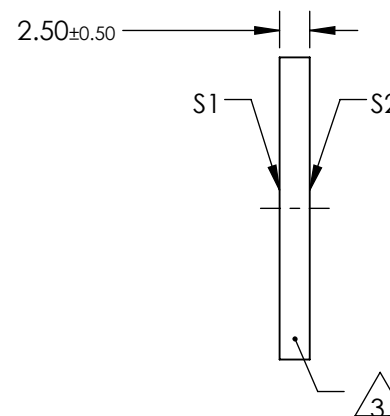
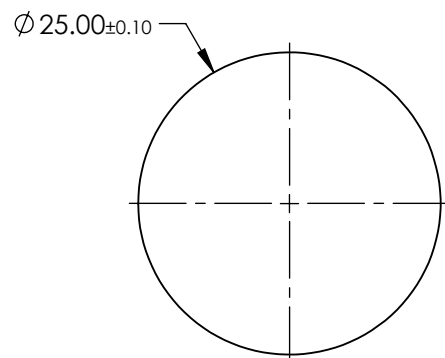
NOTES:

1. SUBSTRATE:
HOYA GLASS: ND-13
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

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




3. FINE GRIND SURFACE
4. OPTICAL DENSITY: 0.9 ± 0.1
5. TRANSMISSION (%): 12.5 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

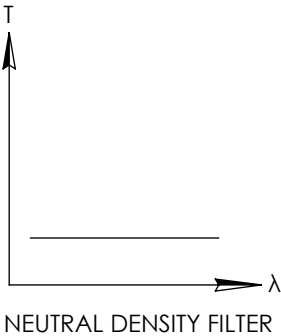
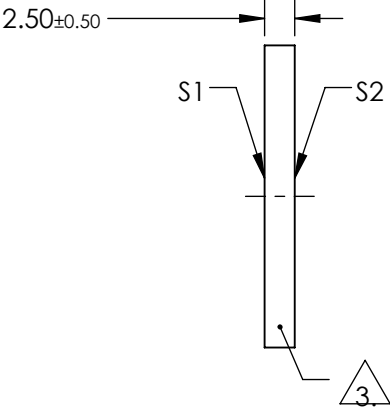
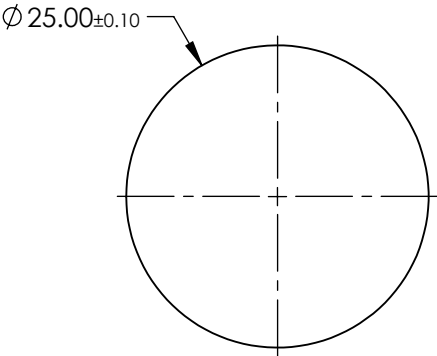
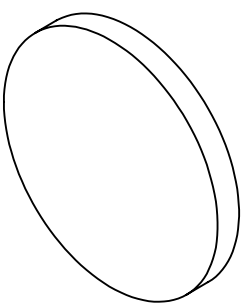


	S1	S2	<div>THIRD ANGLE PROJECTION</div> 		TITLE	OD 0.9, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO					
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	46215	SHEET 1 OF 1

NOTES:


- 1. SUBSTRATE:
HOYA GLASS: ND-0.3
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm
- 3. FINE GRIND SURFACE
- 4. OPTICAL DENSITY: 2.5 ±0.05
- 5. TRANSMISSION (%): 0.3 % AVERAGE FROM 400-700nm
- 6. ROHS COMPLIANT

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



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

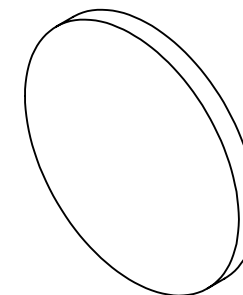
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	S1	S2	<div>THIRD ANGLE PROJECTION</div> 		TITLE	OD 2.5, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO					
SURFACE QUALITY	80-50	80-50	<div>ALL DIMS IN</div> <div>mm</div>		DWG NO	46216	SHEET 1 OF 1
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

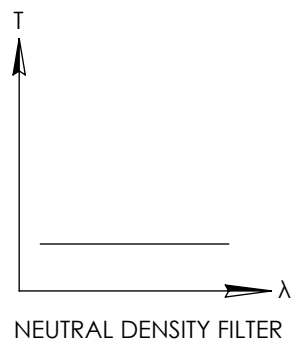
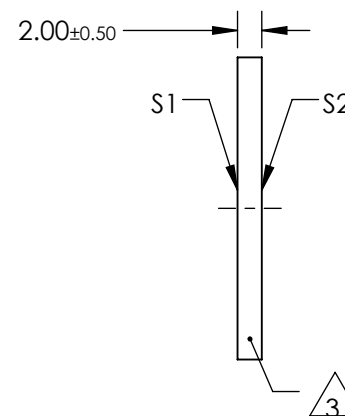
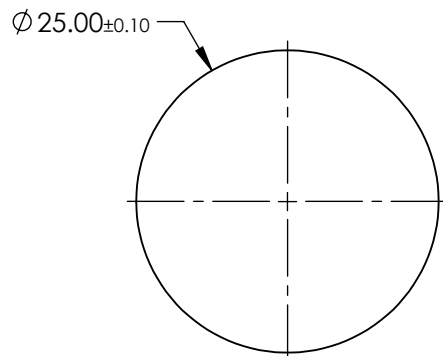
NOTES:

1. SUBSTRATE:
HOYA GLASS: ND-25
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

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




3. FINE GRIND SURFACE
4. OPTICAL DENSITY: 0.5 ± 0.05
5. TRANSMISSION (%): 32 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

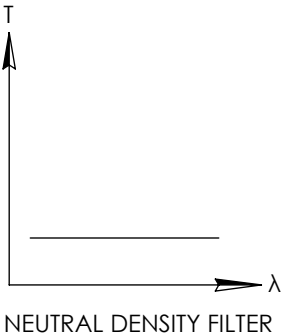
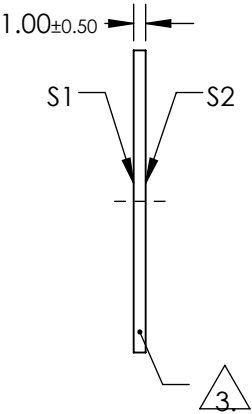
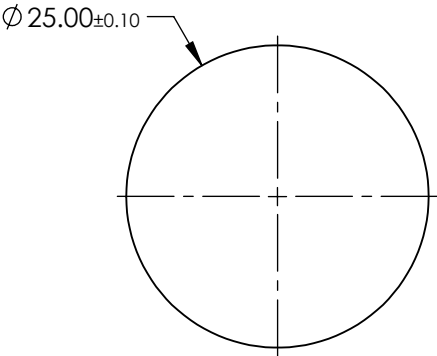
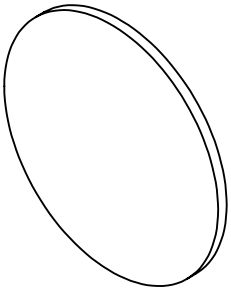


	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 0.5, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO					
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	48089	SHEET 1 OF 1

NOTES:

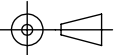
- 1. SUBSTRATE:
HOYA GLASS: ND-0.3
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm
- 3. FINE GRIND SURFACE
- 4. OPTICAL DENSITY: 1.0 ±0.05
- 5. TRANSMISSION (%): 10 % AVERAGE FROM 400-700nm
- 6. ROHS COMPLIANT

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



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

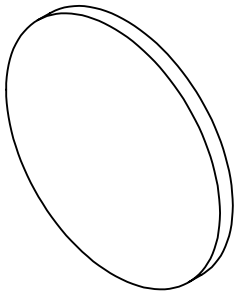
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	S1	S2	THIRD ANGLE PROJECTION 				TITLE		OD 1, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO								
SURFACE QUALITY	80-50	80-50								
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	48090			SHEET 1 OF 1	

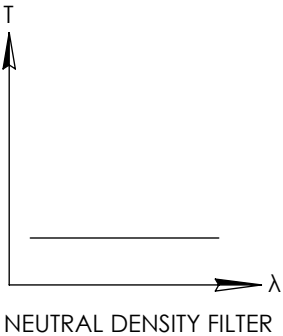
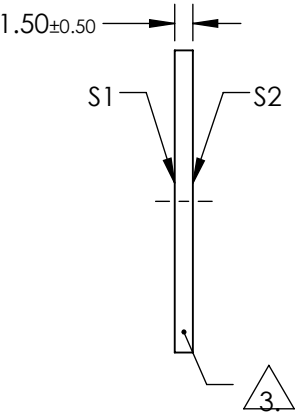
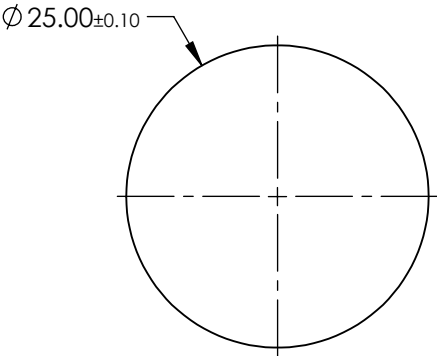
NOTES:

- 1. SUBSTRATE:
HOYA GLASS: ND-0.3
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

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



- 3. FINE GRIND SURFACE
- 4. OPTICAL DENSITY: 1.5 ±0.05
- 5. TRANSMISSION (%): 3 % AVERAGE FROM 400-700nm
- 6. ROHS COMPLIANT



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DIMENSIONS ARE FOR REFERENCE ONLY

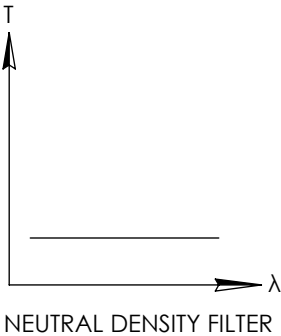
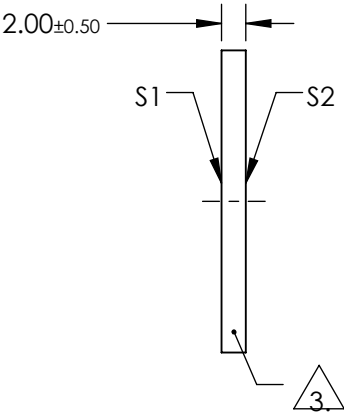
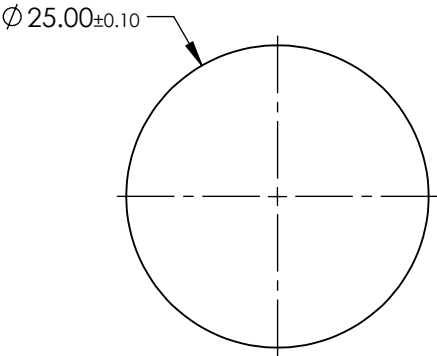
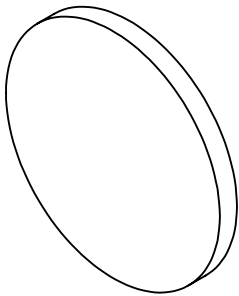
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	S1	S2	THIRD ANGLE PROJECTION				TITLE		OD 1.5, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO					DWG NO		48091	
SURFACE QUALITY	80-50	80-50								
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED								
			ALL DIMS IN	mm					SHEET 1 OF 1	

NOTES:

- 1. SUBSTRATE:
HOYA GLASS: ND-0.3
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm
- 3. FINE GRIND SURFACE
- 4. OPTICAL DENSITY: 2.0 ±0.05
- 5. TRANSMISSION (%): 1 % AVERAGE FROM 400-700nm
- 6. ROHS COMPLIANT

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



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

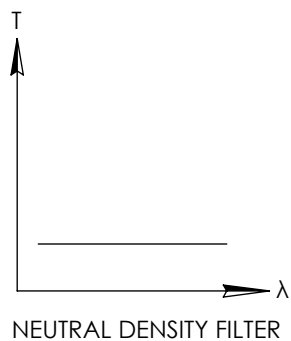
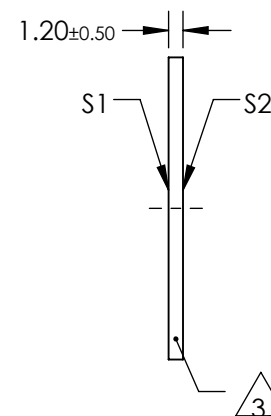
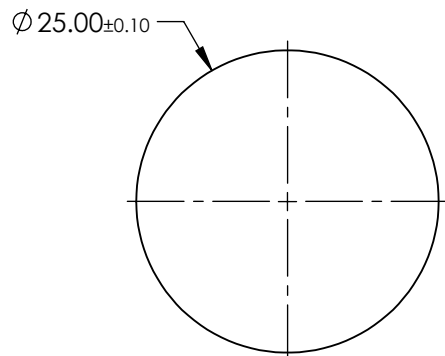
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	S1	S2	THIRD ANGLE PROJECTION				TITLE		OD 2, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO								
SURFACE QUALITY	80-50	80-50								
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	48092			SHEET 1 OF 1	

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


- ### 3. FINE GRIND SURFACE

-



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DIMENSIONS ARE FOR REFERENCE ONLY

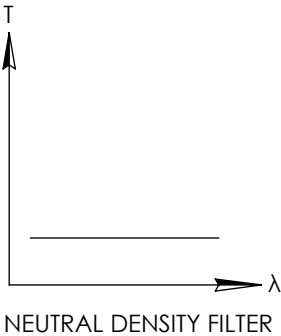
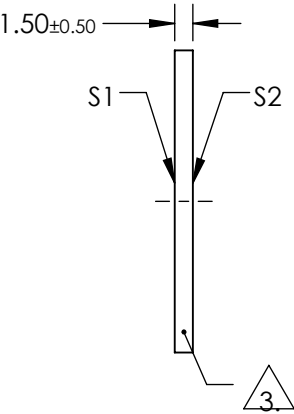
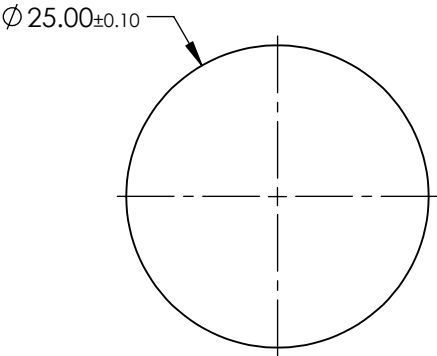
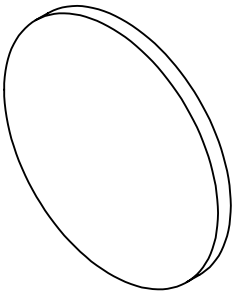


	S1	S2	<div>THIRD ANGLE PROJECTION</div> 		TITLE	OD 0.1, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO					
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	63460	SHEET 1 OF 1

NOTES:

- 1. SUBSTRATE:
HOYA GLASS: ND-50
- 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm
- 3. FINE GRIND SURFACE
- 4. OPTICAL DENSITY: 0.2 ±0.04
- 5. TRANSMISSION (%): 63 % AVERAGE FROM 400-700nm
- 6. ROHS COMPLIANT

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




SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

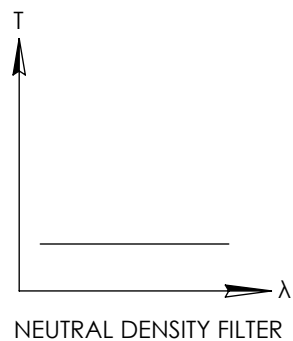
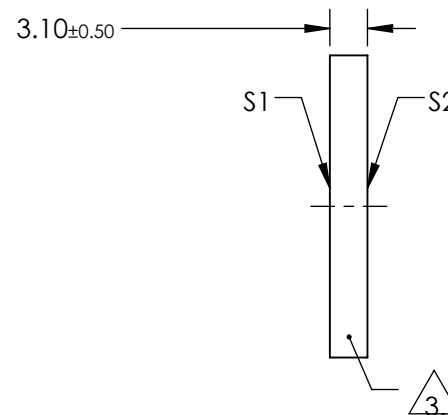
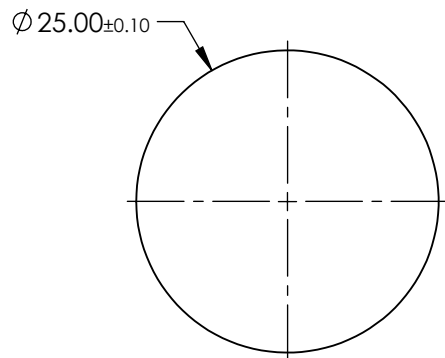
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	S1	S2	THIRD ANGLE PROJECTION				TITLE		OD 0.2, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO								
SURFACE QUALITY	80-50	80-50								
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	63461			SHEET 1 OF 1	

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


3. FINE GRIND SURFACE

- 



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

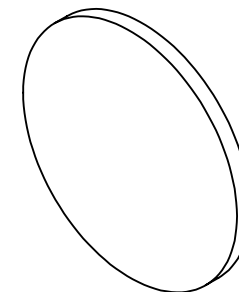


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SHAPE	PLANO	PLANO					
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	63462	SHEET 1 OF 1

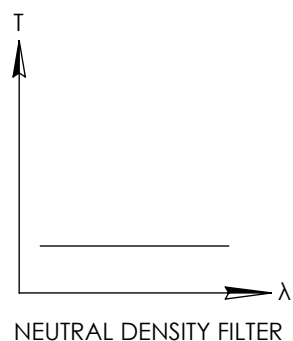
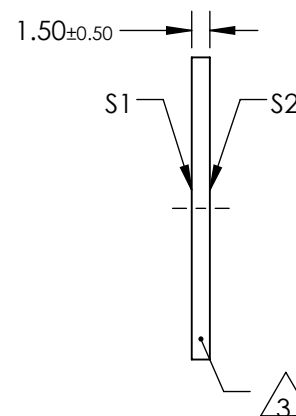
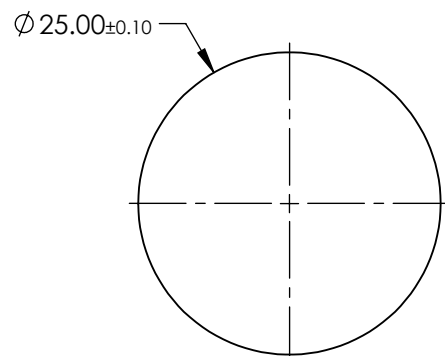
NOTES:

1. SUBSTRATE:
HOYA GLASS: ND-0.3
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

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




3. FINE GRIND SURFACE
4. OPTICAL DENSITY: 1.3 ± 0.1
5. TRANSMISSION (%): 5 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY



	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 1.3, Ø25mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO					
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	63463	SHEET 1 OF 1