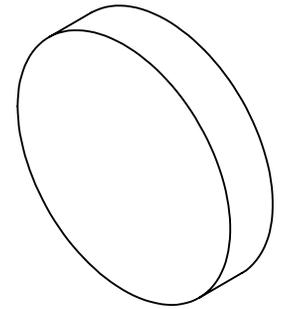


NOTES:

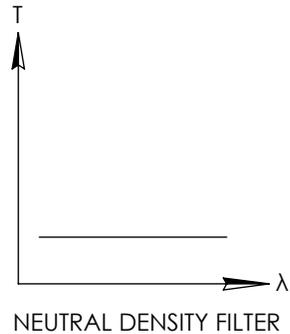
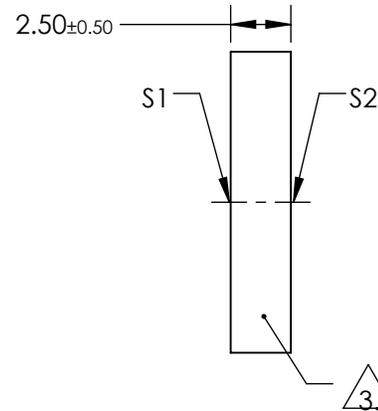
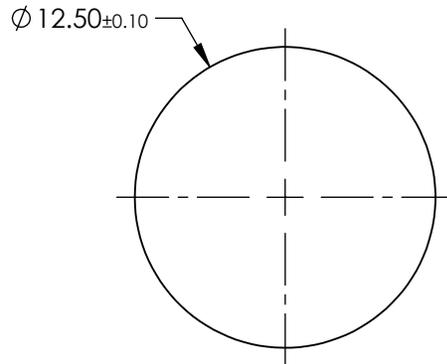
1. SUBSTRATE:
HOYA GLASS: ND-70
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



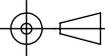
 FINE GRIND SURFACE

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

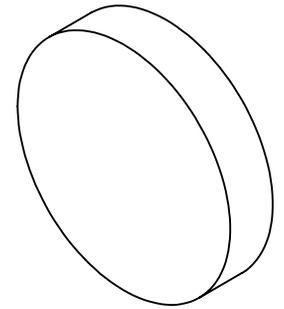
 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 0.15, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO			ALL DIMS IN	mm	DWG NO
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

NOTES:

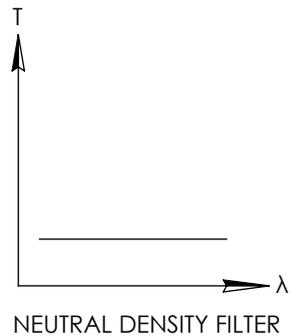
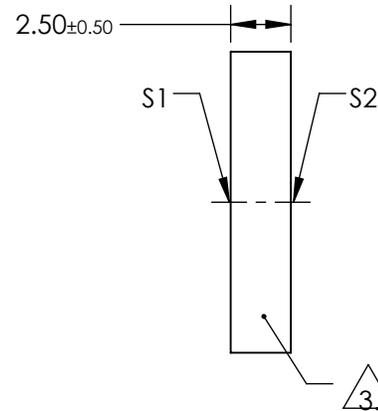
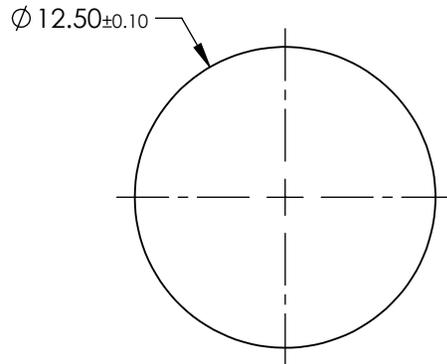
1. SUBSTRATE:
HOYA GLASS: ND-50
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



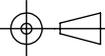
 FINE GRIND SURFACE

4. OPTICAL DENSITY: 0.3 ±0.05
5. TRANSMISSION (%): 50 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

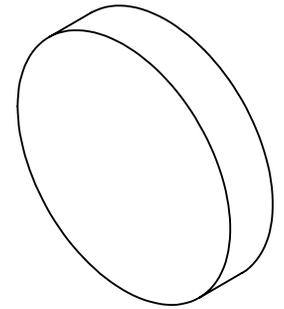
 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 0.3, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO			ALL DIMS IN	mm	DWG NO
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

NOTES:

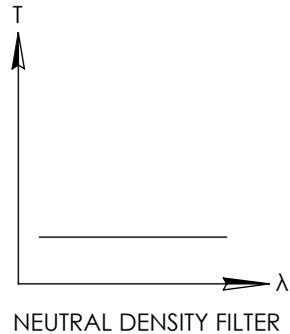
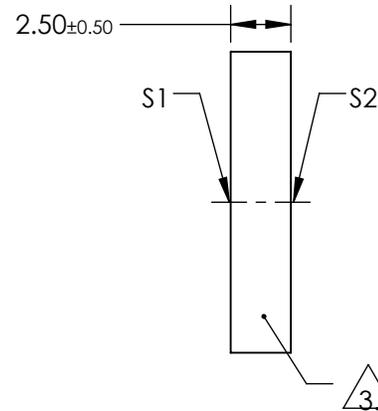
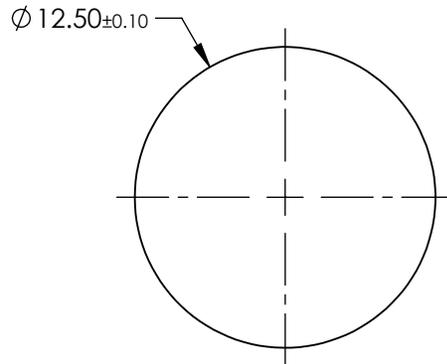
1. SUBSTRATE:
HOYA GLASS: ND-40
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



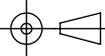
 FINE GRIND SURFACE

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

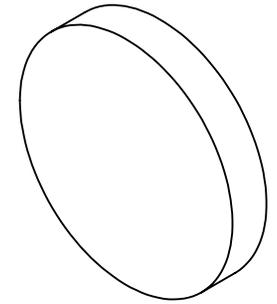
 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 0.4, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO			DWG NO	48525	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50	ALL DIMS IN	mm			
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

NOTES:

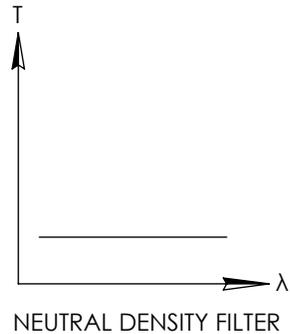
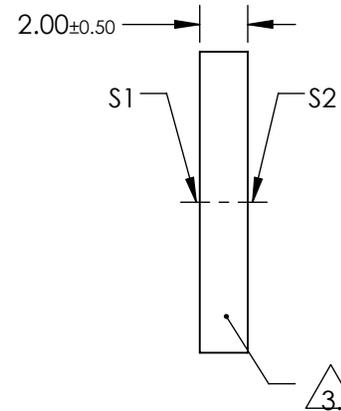
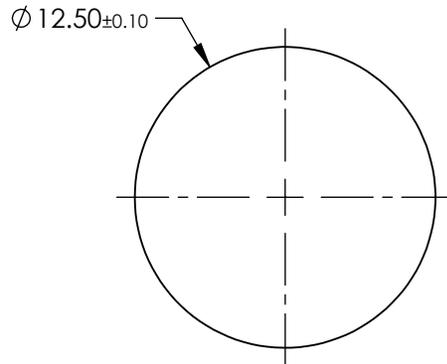
1. SUBSTRATE:
HOYA GLASS: ND-25
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



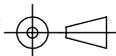
 FINE GRIND SURFACE

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

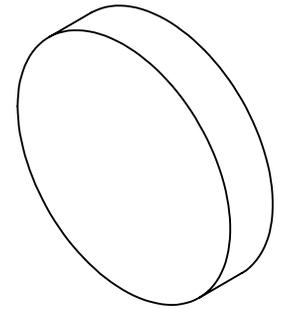
 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 0.5, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	48526	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

NOTES:

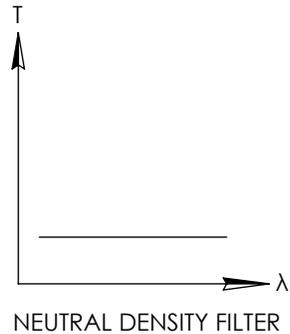
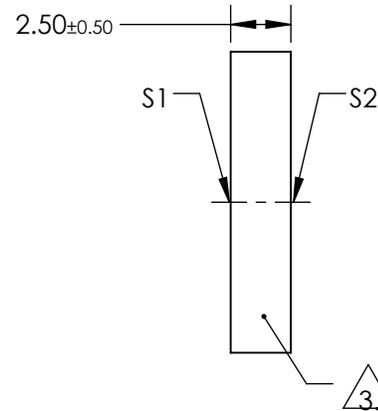
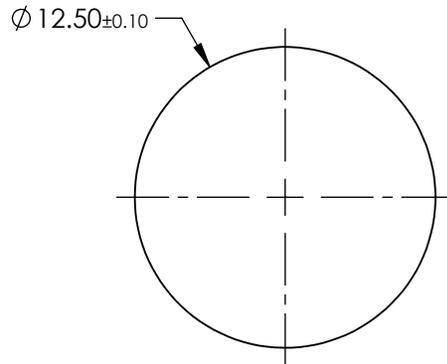
1. SUBSTRATE:
HOYA GLASS: ND-25
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



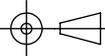
 FINE GRIND SURFACE

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

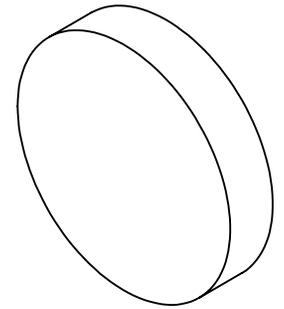
 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 0.6, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO			DWG NO	48527	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50	ALL DIMS IN	mm			
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

NOTES:

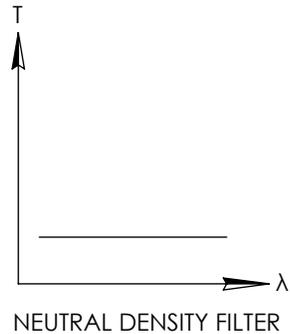
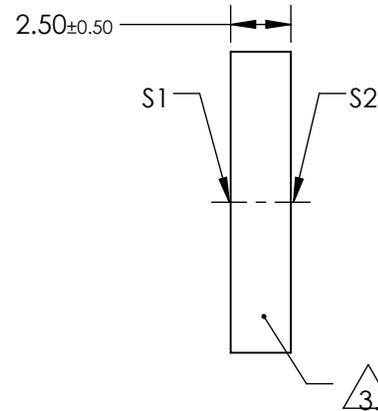
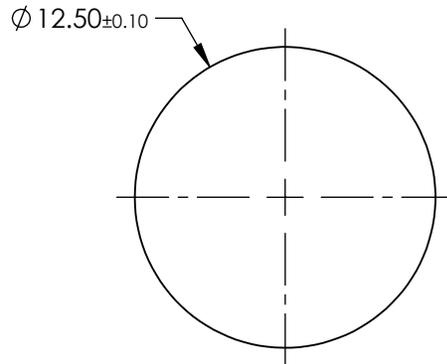
1. SUBSTRATE:
HOYA GLASS: ND-13
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



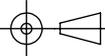
 FINE GRIND SURFACE

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

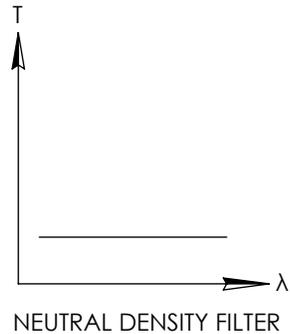
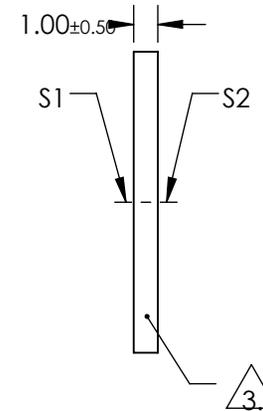
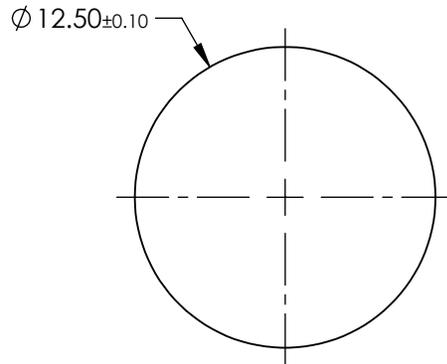
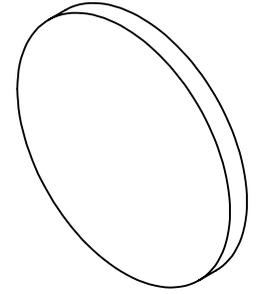
 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 0.9, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO			DWG NO	48528	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50	ALL DIMS IN	mm			
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

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 ±0.1
5. TRANSMISSION (%): 10 % 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

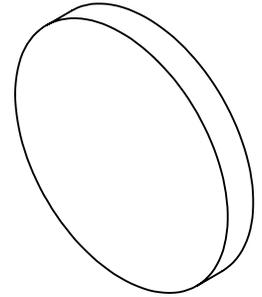
EO® Edmund Optics®

	S1	S2	THIRD ANGLE PROJECTION		TITLE	OD 1, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	48529	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

NOTES:

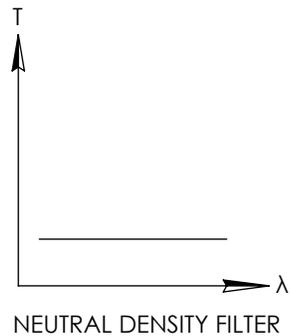
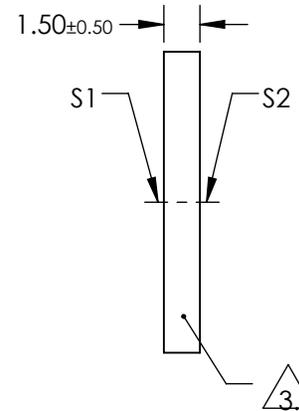
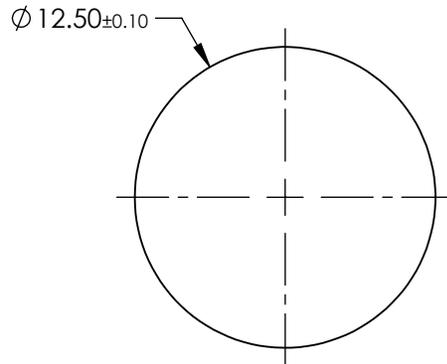
1. SUBSTRATE:
HOYA GLASS: ND-0.3
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



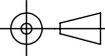
 FINE GRIND SURFACE

4. OPTICAL DENSITY: 1.5 ±0.1
5. TRANSMISSION (%): 3 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

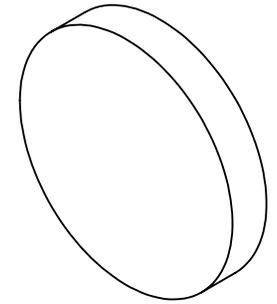
 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 1.5, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	48530	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

NOTES:

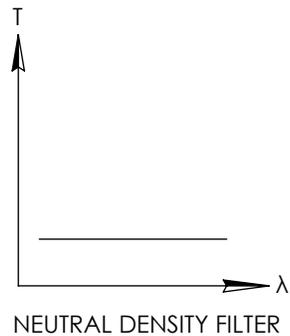
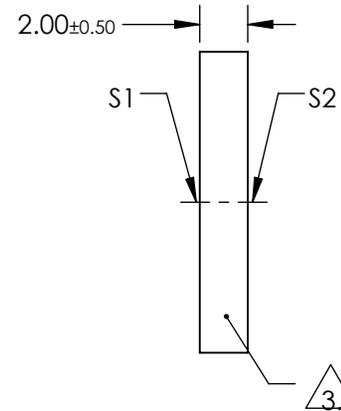
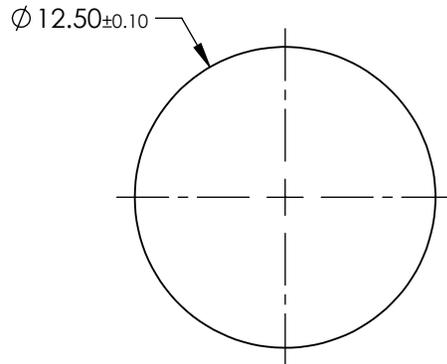
1. SUBSTRATE:
HOYA GLASS: ND-0.3
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



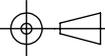
 FINE GRIND SURFACE

4. OPTICAL DENSITY: 2.0 ±0.3
5. TRANSMISSION (%): 1 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

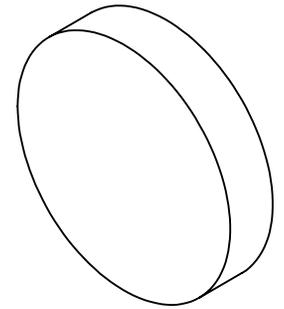
 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 2, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO			DWG NO	48531	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50	ALL DIMS IN	mm			
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

NOTES:

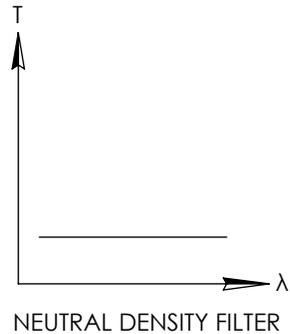
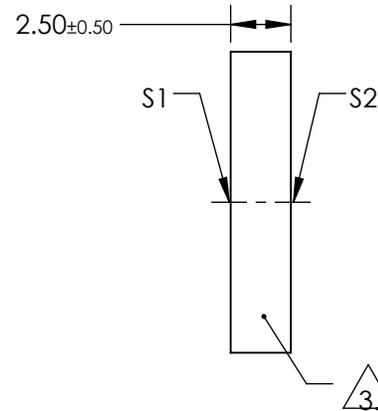
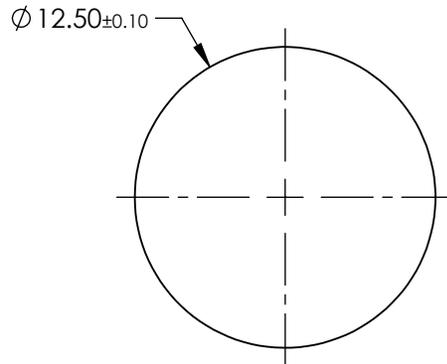
1. SUBSTRATE:
HOYA GLASS: ND-0.3
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



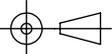
 FINE GRIND SURFACE

4. OPTICAL DENSITY: 2.5 ±0.1
5. TRANSMISSION (%): 0.3 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

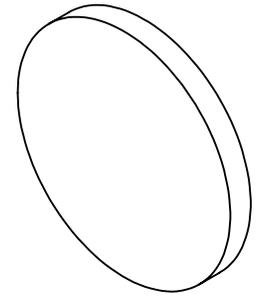
 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 2.5, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO			ALL DIMS IN	mm	DWG NO
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

NOTES:

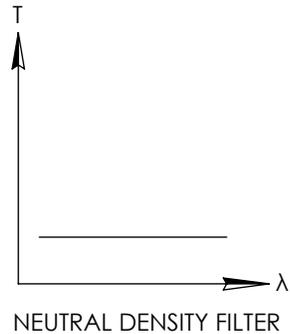
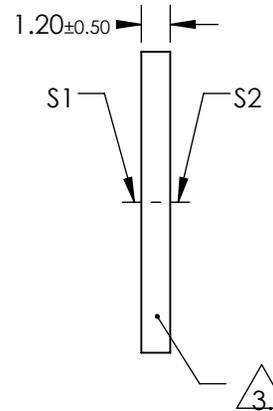
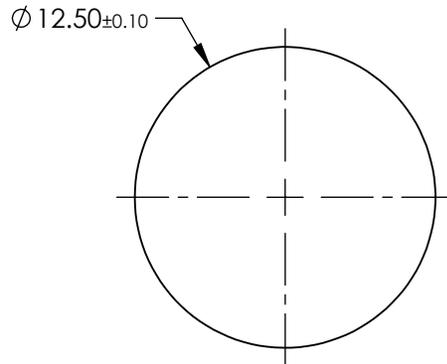
1. SUBSTRATE:
HOYA GLASS: ND-70
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm
3. FINE GRIND SURFACE
4. OPTICAL DENSITY: 0.1 ±0.03
5. TRANSMISSION (%): 79 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



3. FINE GRIND SURFACE

4. OPTICAL DENSITY: 0.1 ±0.03
5. TRANSMISSION (%): 79 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

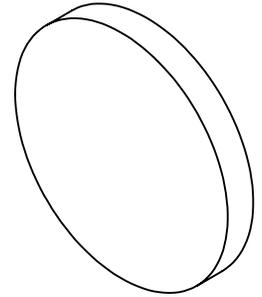
EO® Edmund Optics®

	S1	S2	THIRD ANGLE PROJECTION		TITLE	OD 0.1, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	63456	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

NOTES:

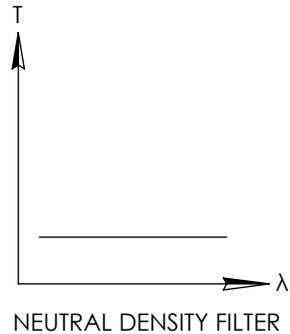
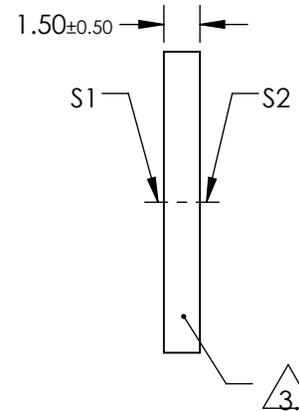
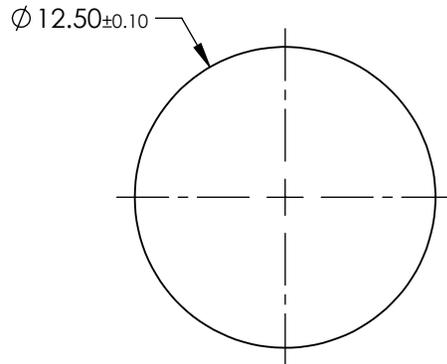
1. SUBSTRATE:
HOYA GLASS: ND-50
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



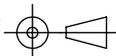
 FINE GRIND SURFACE

4. OPTICAL DENSITY: 0.2 ±0.04
5. TRANSMISSION (%): 63 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

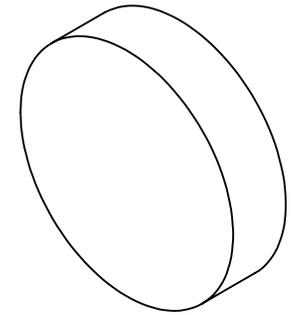
 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 0.2, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO			ALL DIMS IN	mm	DWG NO
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

NOTES:

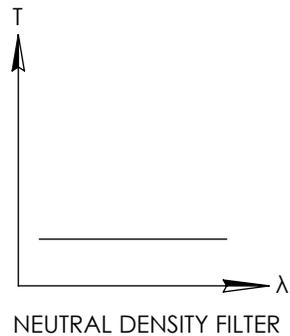
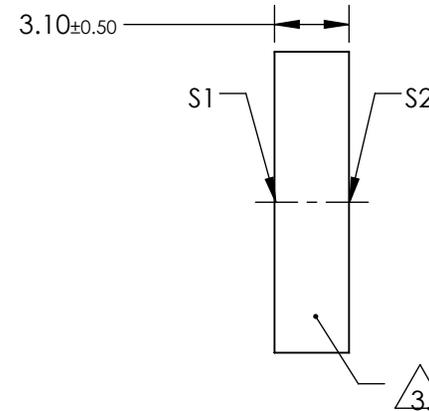
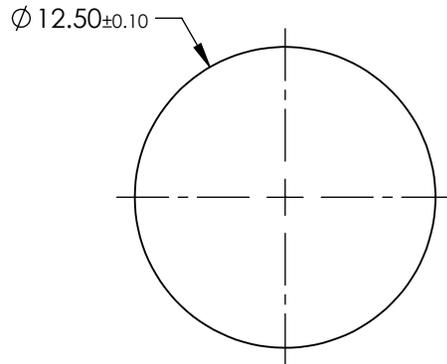
1. SUBSTRATE:
HOYA GLASS: ND-25
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



3. FINE GRIND SURFACE

4. OPTICAL DENSITY: 0.7 ±0.05
5. TRANSMISSION (%): 20 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

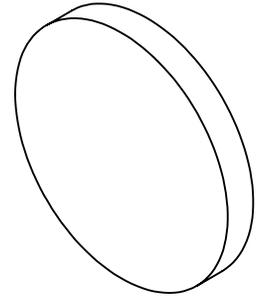
EO® Edmund Optics®

	S1	S2	THIRD ANGLE PROJECTION		TITLE	OD 0.7, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	63458	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

NOTES:

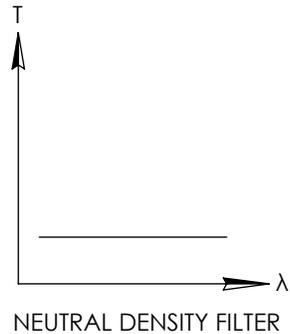
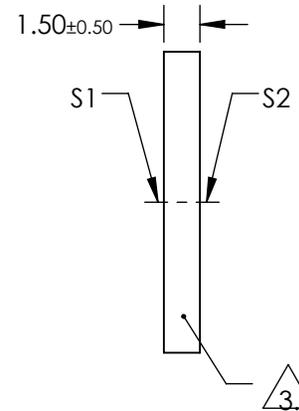
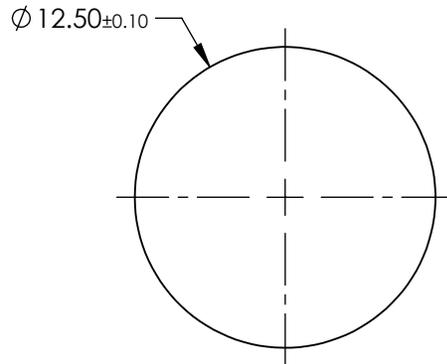
1. SUBSTRATE:
HOYA GLASS: ND-0.3
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



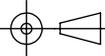
 FINE GRIND SURFACE

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

 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 1.3, Ø12.5mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	63459	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					