

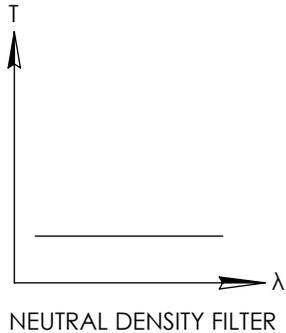
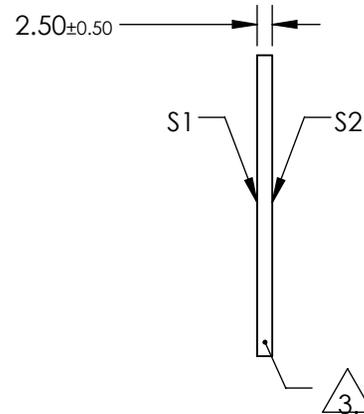
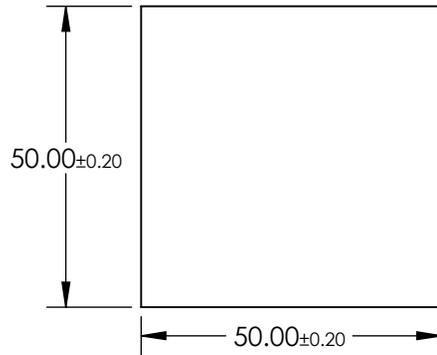
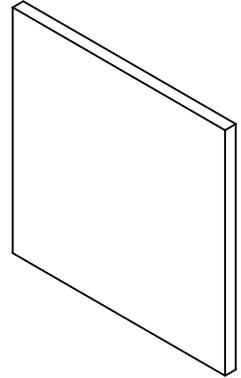
NOTES:

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 ±0.04
5. TRANSMISSION (%): 70 % 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 0.15, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	46217	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

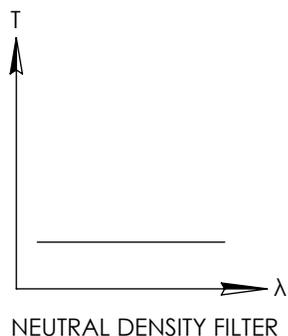
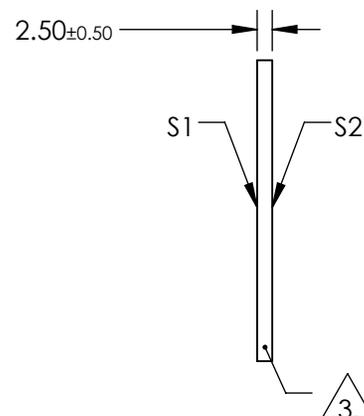
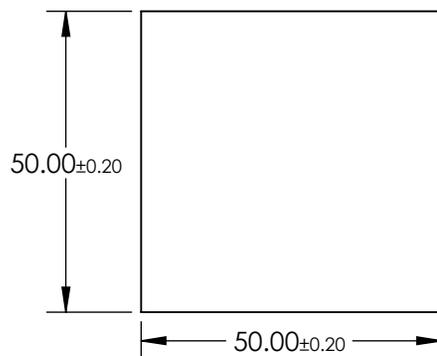
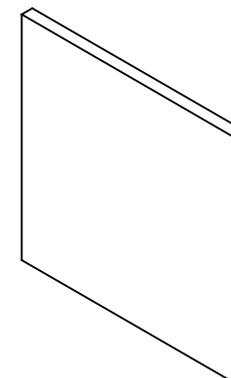
NOTES:

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

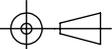
3.  FINE GRIND SURFACE

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, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	46218	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

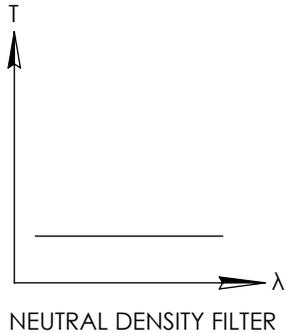
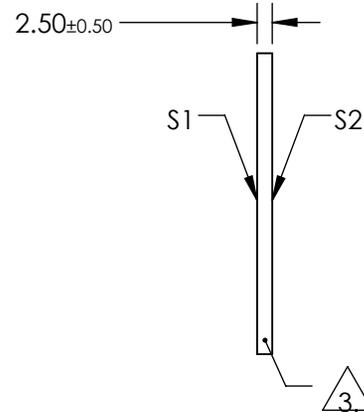
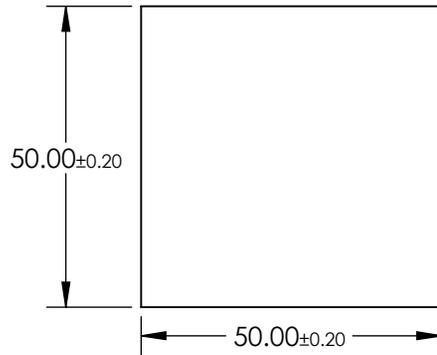
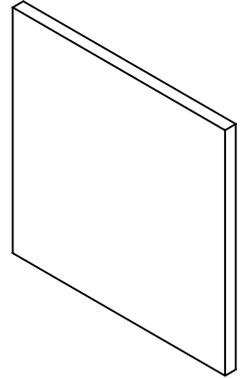
NOTES:

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**

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

EO® Edmund Optics®

	S1	S2	THIRD ANGLE PROJECTION		TITLE	OD 0.4, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	46219	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

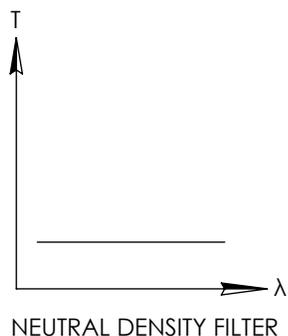
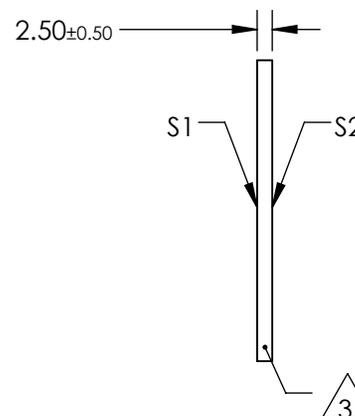
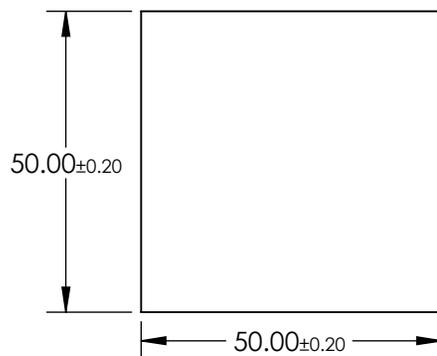
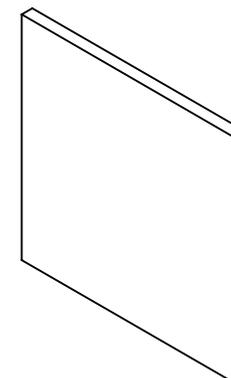
NOTES:

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

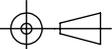
3.  FINE GRIND SURFACE

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

 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 0.6, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO			DWG NO	46220	SHEET
SURFACE QUALITY	80-50	80-50	ALL DIMS IN	mm			
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

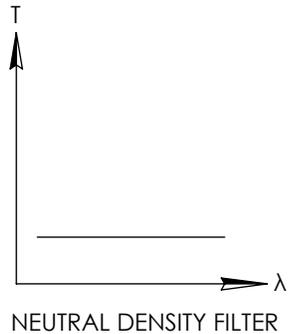
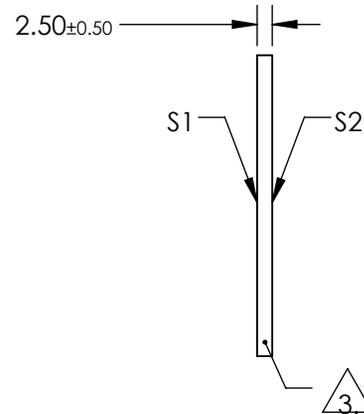
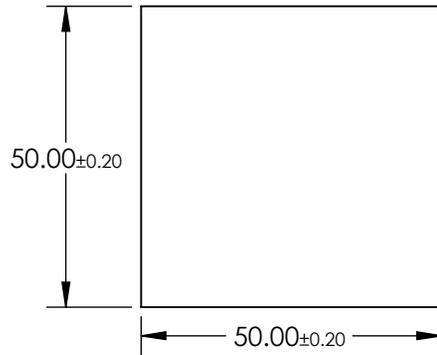
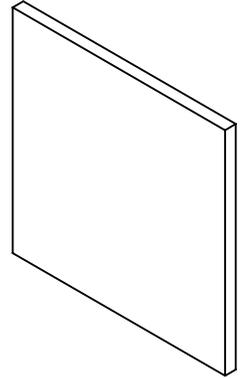
NOTES:

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**

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

EO® Edmund Optics®

	S1	S2	THIRD ANGLE PROJECTION		TITLE	OD 0.9, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	46221	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

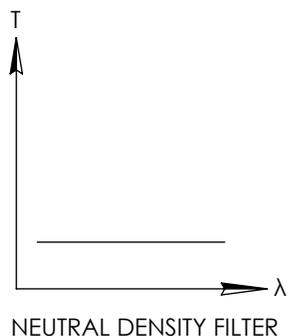
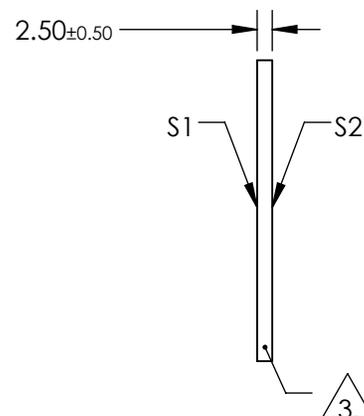
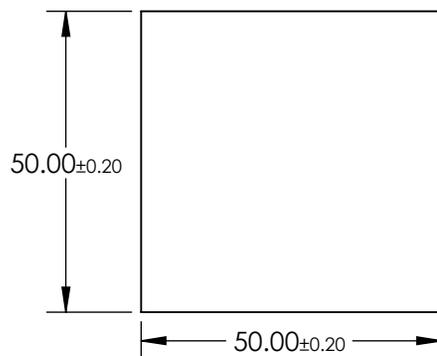
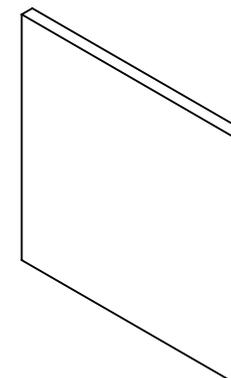
NOTES:

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

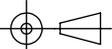
3.  FINE GRIND SURFACE

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, 50 x 50mm 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					

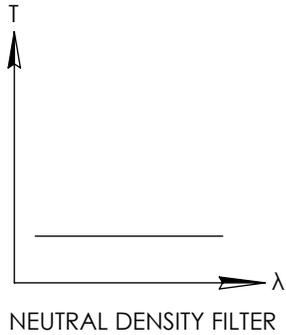
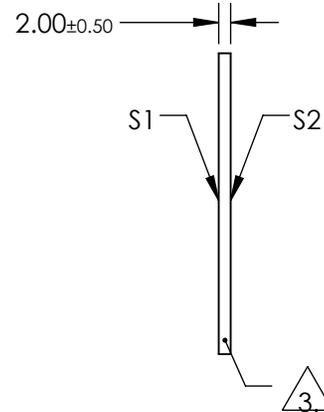
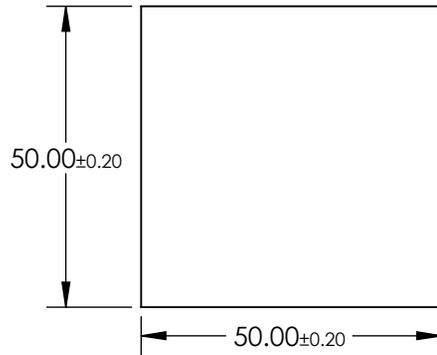
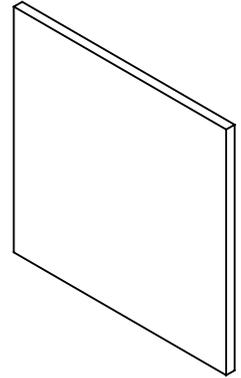
NOTES:

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: 0.5 ±0.05
5. TRANSMISSION (%): 32 % 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 0.5, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	48094	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

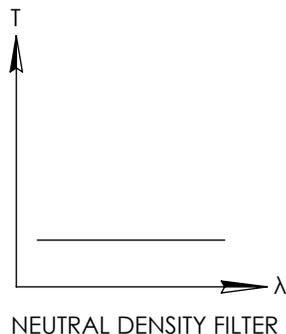
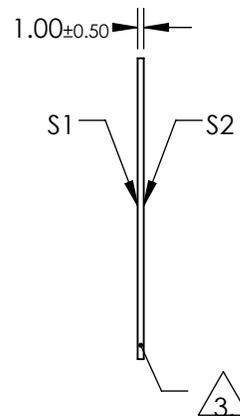
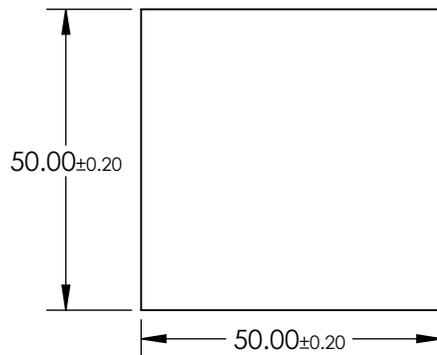
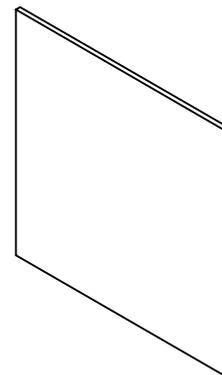
NOTES:

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**

3. FINE GRIND SURFACE

4. OPTICAL DENSITY: 1.0 ±0.05
5. TRANSMISSION (%): 10 % 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 1, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	48095	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

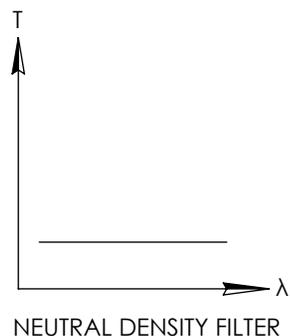
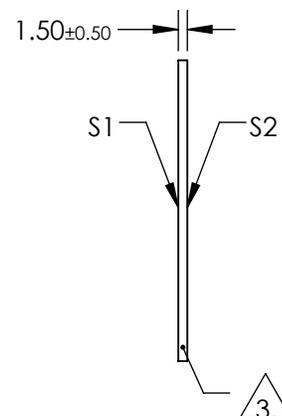
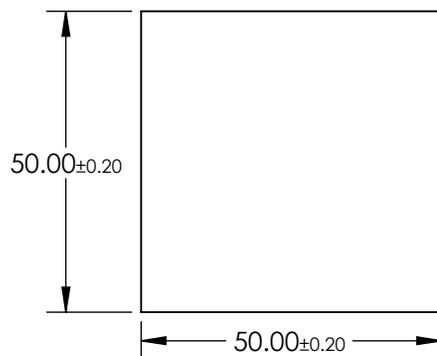
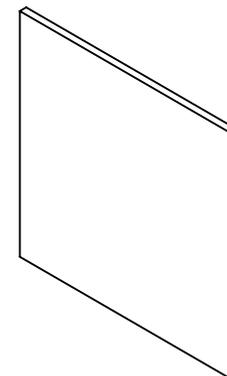
NOTES:

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

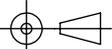
3.  FINE GRIND SURFACE

4. OPTICAL DENSITY: 1.5 ±0.05
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, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	48096	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

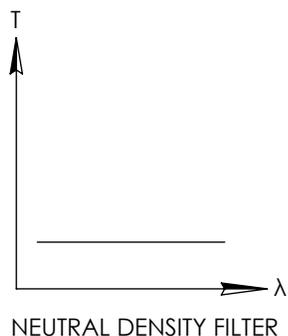
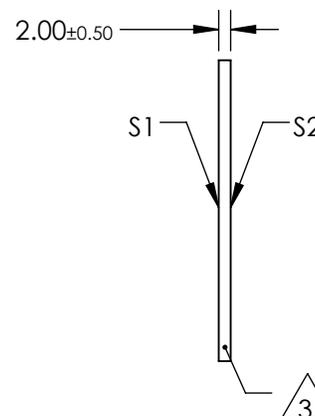
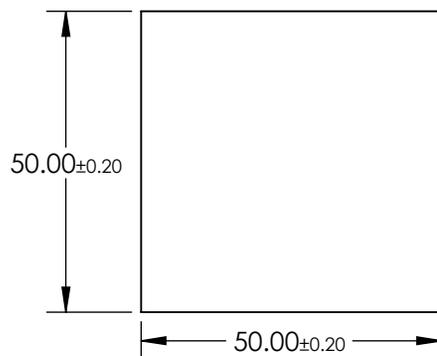
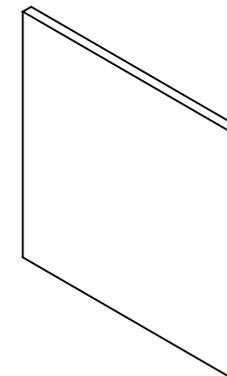
NOTES:

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**

3. FINE GRIND SURFACE

4. OPTICAL DENSITY: 2.0 ±0.05
5. TRANSMISSION (%): 1 % 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 2, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	48097	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

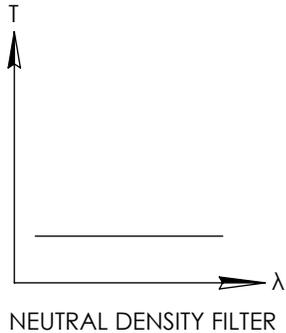
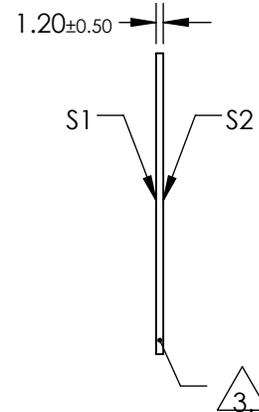
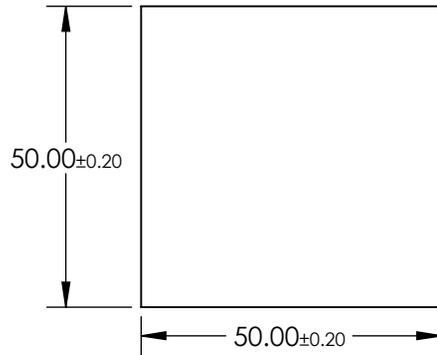
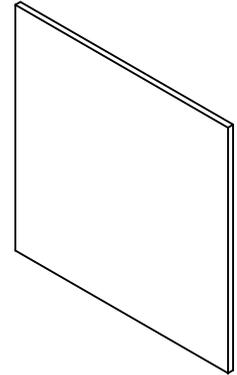
NOTES:

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

**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, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	63464	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

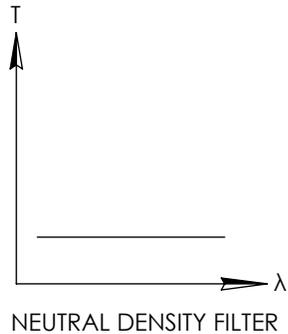
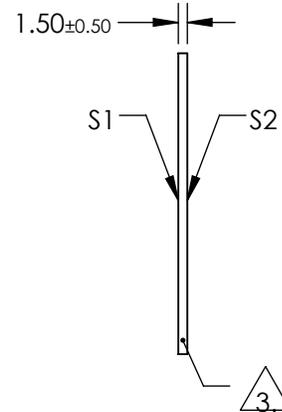
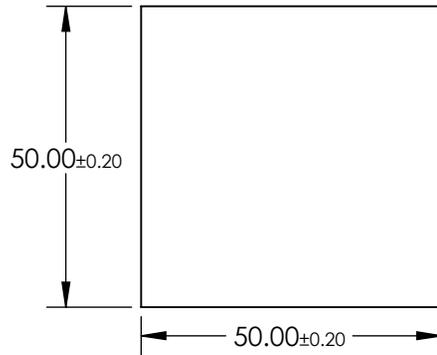
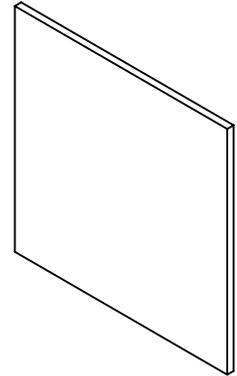
NOTES:

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**

3. FINE GRIND SURFACE

4. OPTICAL DENSITY: 0.2 ±0.05
5. TRANSMISSION (%): 63 % 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 0.2, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	63465	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

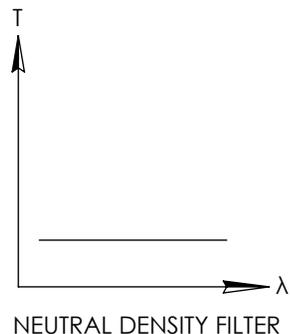
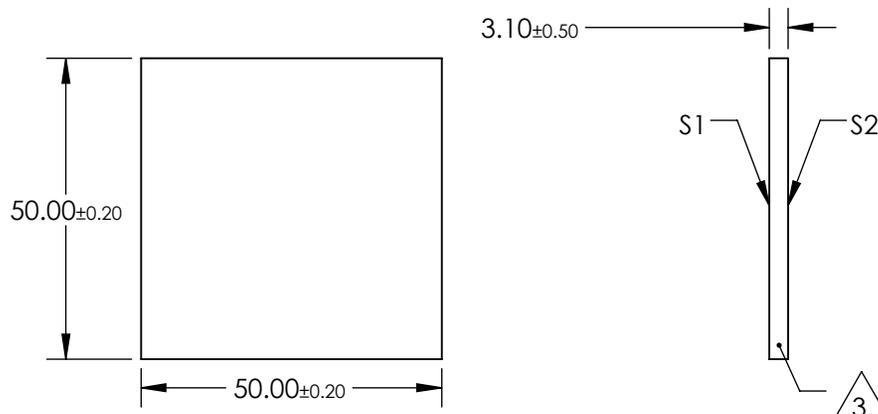
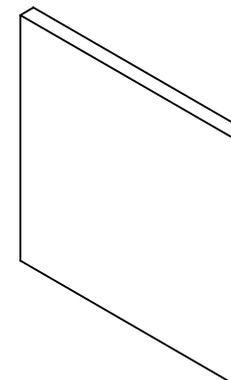
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

3. FINE GRIND SURFACE

4. OPTICAL DENSITY: 0.7 ±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, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	63466	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

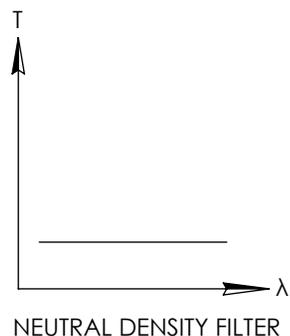
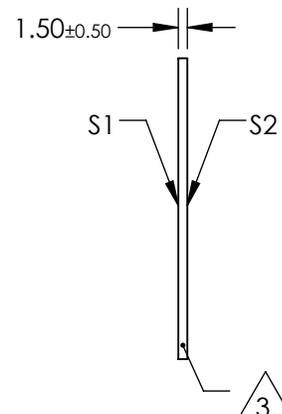
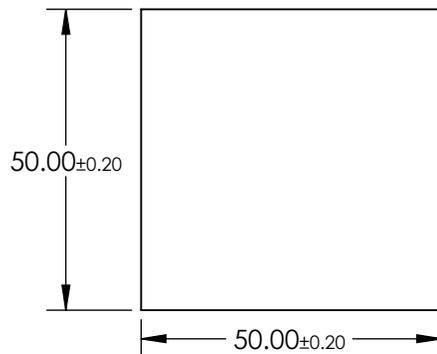
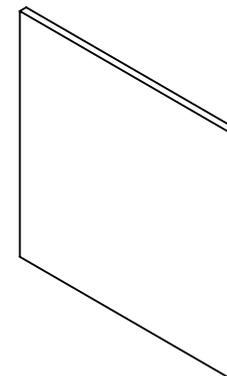
NOTES:

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

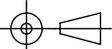
3.  FINE GRIND SURFACE

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

 **Edmund Optics®**

	S1	S2	THIRD ANGLE PROJECTION 		TITLE	OD 1.3, 50 x 50mm ABSORPTIVE ND FILTER	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	63467	SHEET 1 OF 1
SURFACE QUALITY	80-50	80-50					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					