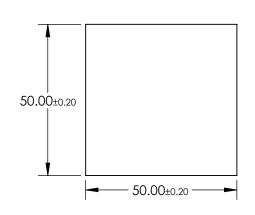
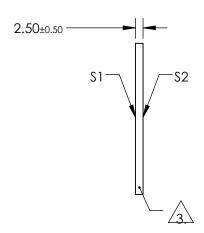
1. SUBSTRATE: HOYA GLASS: ND-70 FOR INFORMATION ONLY: DO NOT MANUFACTURE PARTS TO THIS DRAWING

2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm



- 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

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	\$1	\$2				OD 0.15, 50 x 50mm ABSORPTIVE ND	FILTER
SHAPE	PLANO	PLANO	THIRD ANGLE PROJECTION	\bigoplus	TITLE	OB 0.10, 30 X 30111117 (B3OK1 11VE 11B	TILILIX
SURFACE QUALITY	80-50	80-50					CLIEFT
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	46217	SHEET 1 OF 1

1. SUBSTRATE: HOYA GLASS: ND-50 FOR INFORMATION ONLY: DO NOT MANUFACTURE PARTS TO THIS DRAWING

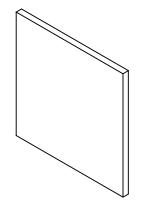
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

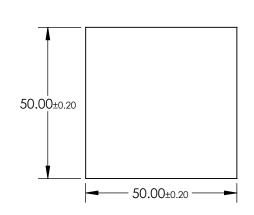


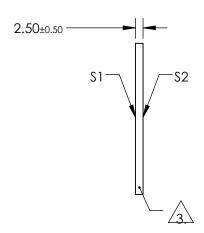
4. OPTICAL DENSITY: 0.3 ±0.05

5. TRANSMISSION (%): 50 % AVERAGE FROM 400-700nm

6. ROHS COMPLIANT







DWG NO

NEUTRAL DENSITY FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

Edmund Optics®

SHEET

1 OF 1

	\$1	\$2
SHAPE	PLANO	PLANO
SURFACE QUALITY	80-50	80-50
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

_	1		
	THIRD ANGLE PROJECTION		
_	ALL DIMS IN	mm	

	OD 0.3, 50 x 50mm ABSORPTIVE ND FILTER
TLE	

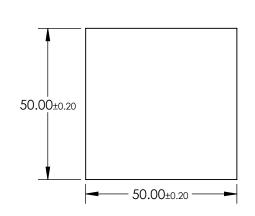
46218

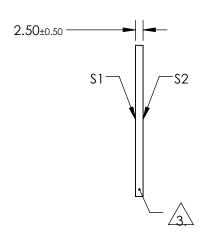
1. SUBSTRATE: HOYA GLASS: ND-40 PARTS TO THIS DRAWING

2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm



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





NEUTRAL DENSITY FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

Edmund Optics	3 ®
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SHEET

1 OF 1

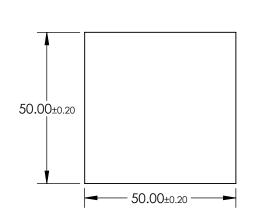
	51	\$2		1		OD 0.4, 50 x 50mm ABSORPTIVE ND F	II TER
SHAPE	PLANO	PLANO	THIRD ANGLE PROJECTION	$\bigoplus \bigoplus$	TITLE	OD 0.4, 30 X 30Hill ABSORT HVE NOT	ILILIX
SURFACE QUALITY	80-50	80-50		1			CLIEF
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	46219	SHEET 1 OF

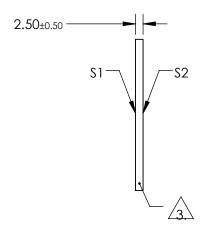
1. SUBSTRATE: HOYA GLASS: ND-25 FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm



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





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NEUTRAL DENSITY FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

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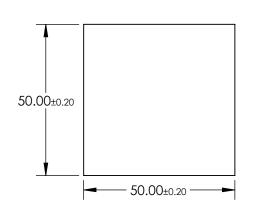
	\$1	S2				OD 0.6, 50 x 50mm ABSORPTIVE I	ND FILTER
SHAPE	PLANO	PLANO	THIRD ANGLE PROJECTION	\bigcirc	TITLE	00 0.0, 00 x 30111117 x 230 k1 11 v 2 1	IND HEILK
SURFACE QUALITY	80-50	80-50					CHEET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	46220	SHEET 1 OF

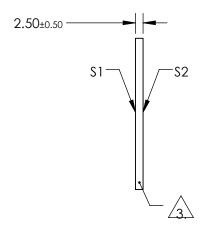
1. SUBSTRATE: HOYA GLASS: ND-13 PARTS TO THIS DRAWING

2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm



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





NEUTRAL DENSITY FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

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SHEET 1 OF 1

	51	\$2		1			OD 0.9, 50 x 50mm ABSORPTIVE ND F	
SHAPE	PLANO	PLANO	THIRD ANGLE PROJECTION	\bigcirc	TITLE	OD 0.7, 30 X 30HHT7 ND3 OKT HVE TVD	TILILIX	
SURFACE QUALITY	80-50	80-50		 			CUEE	
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	46221	SHEET 1 OF	

1. SUBSTRATE:

HOYA GLASS: ND-0.3

2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

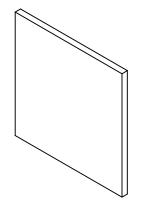
FOR INFORMATION ONLY: DO NOT MANUFACTURE PARTS TO THIS DRAWING

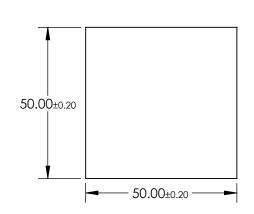


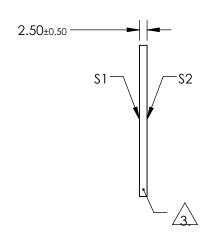
4. OPTICAL DENSITY: 2.5 ±0.1

5. TRANSMISSION (%): 0.3 % AVERAGE FROM 400-700nm

6. ROHS COMPLIANT







NEUTRAL DENSITY FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

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	\$1	\$2
SHAPE	PLANO	PLANO
SURFACE QUALITY	80-50	80-50
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

_	1		
	THIRD ANGLE PROJECTION		
_	60.46.61		
	ALL DIMS IN	mm	

TITLE	OD 2.5, 50 x 50mm ABSORPTIVE ND FILTER
IIILE	

SHEET 1 OF 1

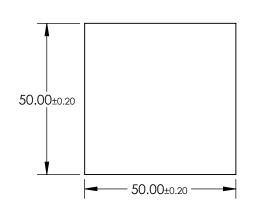
ll DIMS IN	mm	DWG NO	46222	

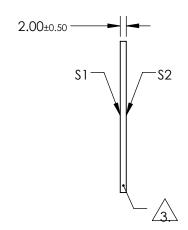
1. SUBSTRATE: HOYA GLASS: ND-25 FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm



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





NEUTRAL DENSITY FILTER

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	\$1	\$2		1		OD 0.5, 50 x 50mm ABSORPTIVE NE) FII TER
SHAPE	PLANO	PLANO	THIRD ANGLE PROJECTION	\bigcirc	TITLE	00 0.3, 00 x 30111117 x 230K1 11 v 2 1 1 2	/ I ILILIX
SURFACE QUALITY	80-50	80-50		1			QUEET.
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	48094	SHEET 1 OF 1

1. SUBSTRATE:

HOYA GLASS: ND-0.3

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

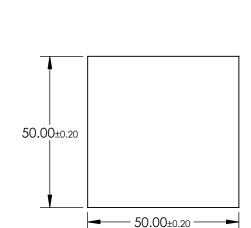
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

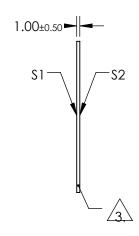


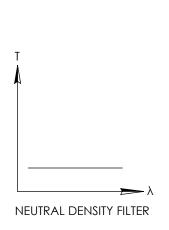
4. OPTICAL DENSITY: 1.0 ±0.05

5. TRANSMISSION (%): 10 % AVERAGE FROM 400-700nm

6. ROHS COMPLIANT







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	\$1	S2				OD 1, 50 x 50mm ABSORPTIVE ND FI	I TER
SHAPE	PLANO	PLANO	THIRD ANGLE PROJECTION	$\bigoplus \bigoplus$	TITLE	OD 1, 30 X 30111117 (B3OK1 11VE 14D 11	LILIX
SURFACE QUALITY	80-50	80-50					CHEET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	48095	SHEET 1 OF 1

SUBSTRATE:

HOYA GLASS: ND-0.3

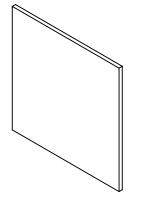
PARTS TO THIS DRAWING 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

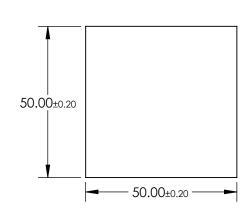
3. FINE GRIND SURFACE

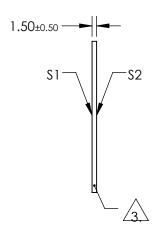
4. OPTICAL DENSITY: 1.5 ±0.05

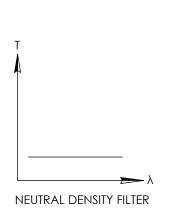
5. TRANSMISSION (%): 3 % AVERAGE FROM 400-700nm

6. ROHS COMPLIANT









	\$1	\$2		1		OD 1.5, 50 x 50mm ABSORPTIVE ND F	II TER
SHAPE	PLANO	PLANO	THIRD ANGLE PROJECTION	\bigcirc	TITLE	OB 1.0, 30 X 30Hill / NB3OKI HVE NB 1	ILILIX
SURFACE QUALITY	80-50	80-50					CLIEFT
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	48096	SHEET 1 OF 1

1. SUBSTRATE:

HOYA GLASS: ND-0.3

PARTS TO THIS DRAWING

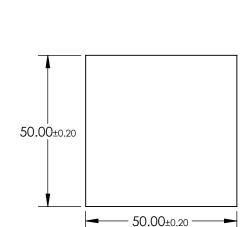
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

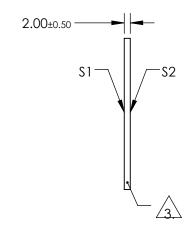
3. FINE GRIND SURFACE

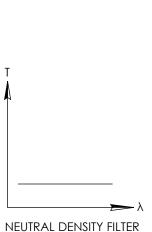
4. OPTICAL DENSITY: 2.0 ±0.05

5. TRANSMISSION (%): 1 % AVERAGE FROM 400-700nm

6. ROHS COMPLIANT







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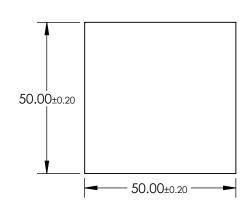
	S1	\$2		İ		OD 2, 50 x 50mm ABSORPTIVE ND FIL	TER
SHAPE	PLANO	PLANO	THIRD ANGLE PROJECTION	\bigcirc	TITLE	OD 2, 00 x 00111117 (B3 0 K1 11 v E 1 v D 1 i	
SURFACE QUALITY	80-50	80-50		 			CHEET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	48097	SHEET 1 OF 1

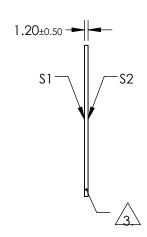
1. SUBSTRATE: HOYA GLASS: ND-70 FOR INFORMATION ONLY: DO NOT MANUFACTURE PARTS TO THIS DRAWING

2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm



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





NEUTRAL DENSITY FILTER

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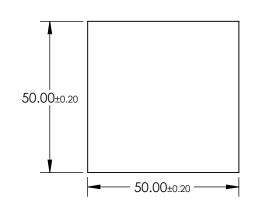
	S1	S2				OD 0.1, 50 x 50mm ABSORPTIVE ND FI	II TER
SHAPE	PLANO	PLANO	THIRD ANGLE PROJECTION	$\bigoplus \bigoplus$	TITLE	OD 0.17, 30 X 30/11/17/D3OKI 11VE ND 11	ILILIX
SURFACE QUALITY	80-50	80-50					CLIEFT
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	63464	SHEET 1 OF 1

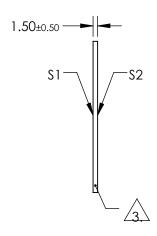
1. SUBSTRATE: HOYA GLASS: ND-50 FOR INFORMATION ONLY: DO NOT MANUFACTURE PARTS TO THIS DRAWING

2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm



- 4. OPTICAL DENSITY: 0.2 ±0.05
- 5. TRANSMISSION (%): 63 % AVERAGE FROM 400-700nm
- 6. ROHS COMPLIANT





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NEUTRAL DENSITY FILTER



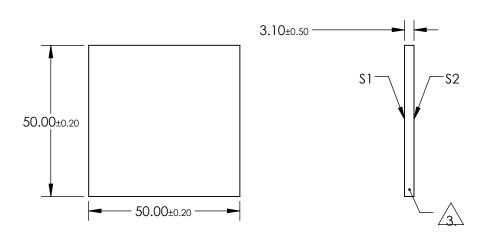
	\$1	S2		1		OD 0.2, 50 x 50mm ABSORPTIVE ND	FILTER
SHAPE	PLANO	PLANO	THIRD ANGLE PROJECTION	\bigcirc	TITLE	0D 0.2, 00 x 30111117	TILILIX
SURFACE QUALITY	80-50	80-50					CLIEFT
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	63465	SHEET 1 OF 1

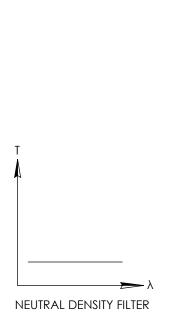
1. SUBSTRATE: HOYA GLASS: ND-25 FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm



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





	Edmund (Optics®
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	S1	S2		i		OD 0.7, 50 x 50mm ABSORPTIVE ND FI	II TER
SHAPE	PLANO	PLANO	THIRD ANGLE PROJECTION	\bigcirc	TITLE	OD 0.7, 30 X 30HHT7 ND3OKT HVE TVD TT	ILILIX
SURFACE QUALITY	80-50	80-50		ı			CHEET
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	63466	SHEET 1 OF 1

1. SUBSTRATE:

HOYA GLASS: ND-0.3

2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm PARTS TO

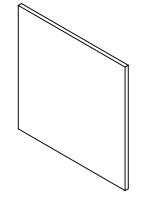
FOR INFORMATION ONLY: DO NOT MANUFACTURE PARTS TO THIS DRAWING

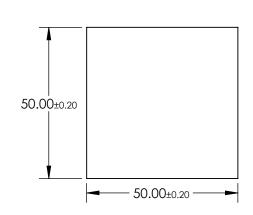


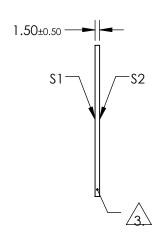
4. OPTICAL DENSITY: 1.3 ±0.1

5. TRANSMISSION (%): 5 % AVERAGE FROM 400-700nm

6. ROHS COMPLIANT







DWG NO

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NEUTRAL DENSITY FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

Edmund Optics®

	S 1	\$2
SHAPE	PLANO	PLANO
SURFACE QUALITY	80-50	80-50
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

_	1		
	THIRD ANGLE PROJECTION		
,	ALL DIMS IN	mm	

TITLE	OD 1.3, 50 x 50mm ABSORPTIVE ND FILTER

63467

SHEET

1 OF 1