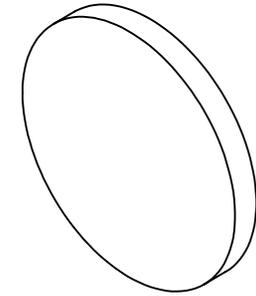


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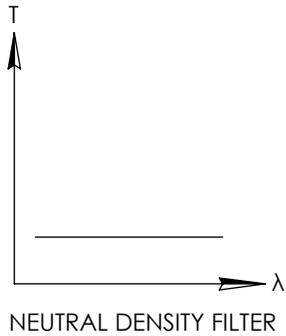
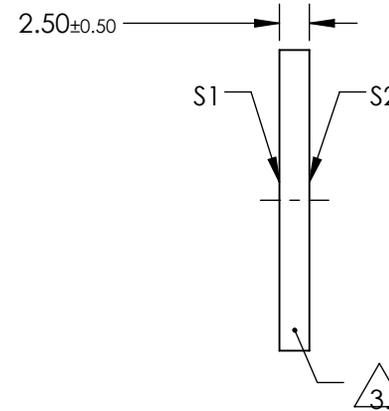
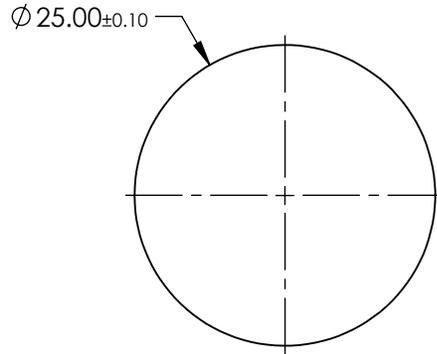
1. SUBSTRATE:
HOYA GLASS: ND-70
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

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

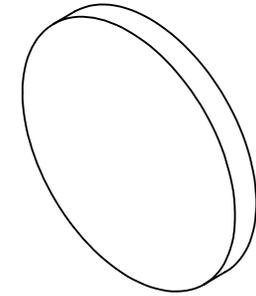
EO® Edmund Optics®

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

NOTES:

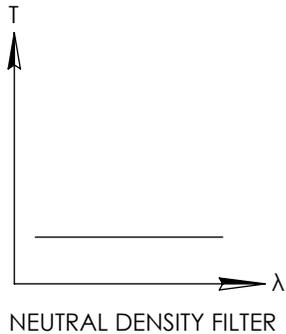
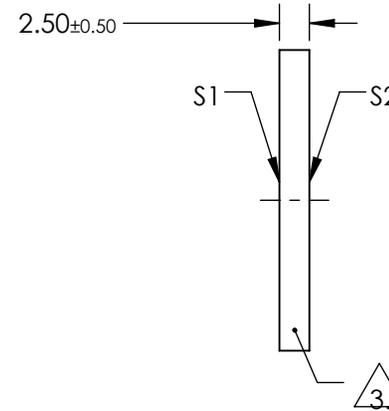
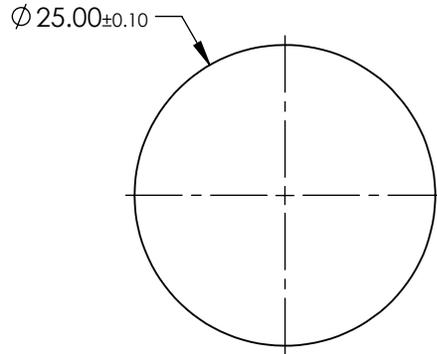
1. SUBSTRATE:
HOYA GLASS: ND-50
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

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

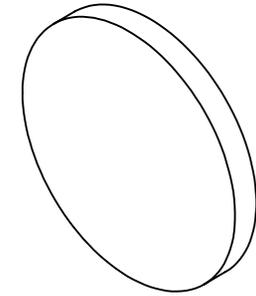
EO® Edmund Optics®

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

NOTES:

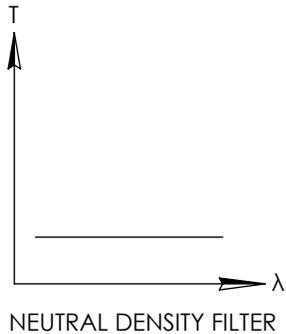
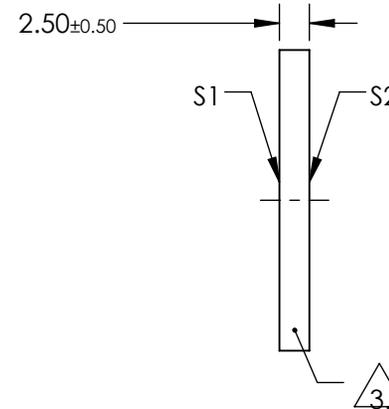
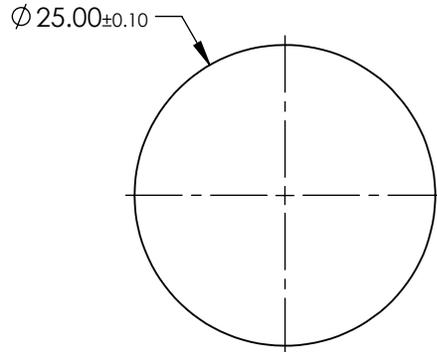
1. SUBSTRATE:
HOYA GLASS: ND-40
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

**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

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|-----------------|----------------------|----------------------|------------------------|----|--------|------------------------------------|--------------|
| | 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 | | | DWG NO | 46213 | 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

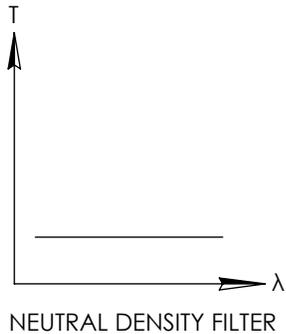
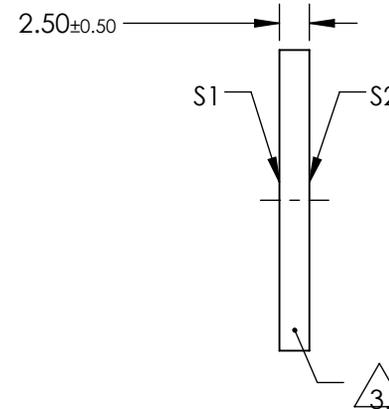
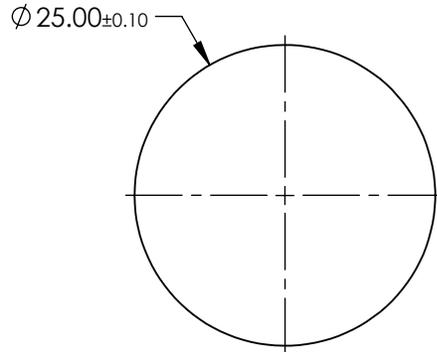
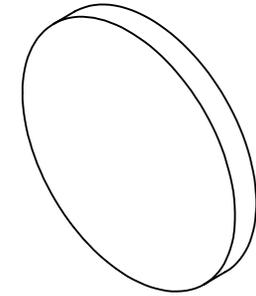
FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

3. FINE GRIND SURFACE

4. OPTICAL DENSITY: 0.6 ±0.05

5. TRANSMISSION (%): 25 % AVERAGE FROM 400-700nm

6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

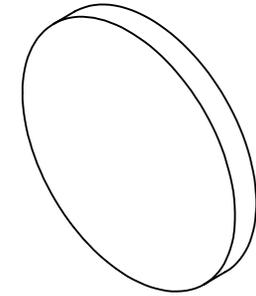
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|-----------------|----------------------|----------------------|------------------------|----|--------|------------------------------------|--------------|
| | S1 | S2 | THIRD ANGLE PROJECTION | | TITLE | OD 0.6, Ø25mm ABSORPTIVE ND FILTER | |
| SHAPE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

NOTES:

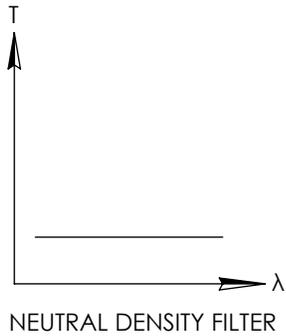
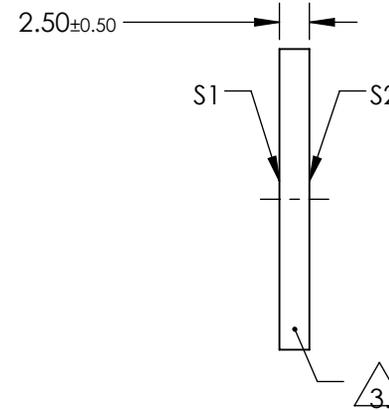
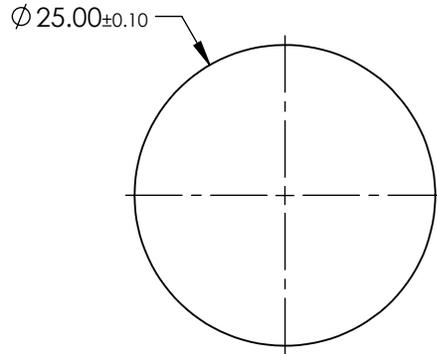
1. SUBSTRATE:
HOYA GLASS: ND-13
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

**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

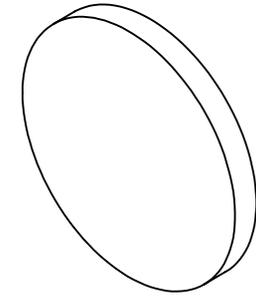
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|-----------------|----------------------|----------------------|------------------------|----|--------|------------------------------------|-----------------|
| | S1 | S2 | THIRD ANGLE PROJECTION | | TITLE | OD 0.9, Ø25mm ABSORPTIVE ND FILTER | |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

NOTES:

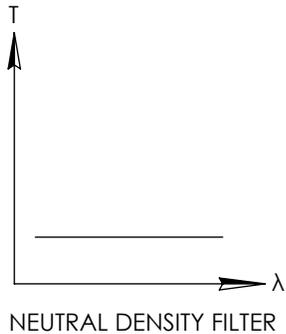
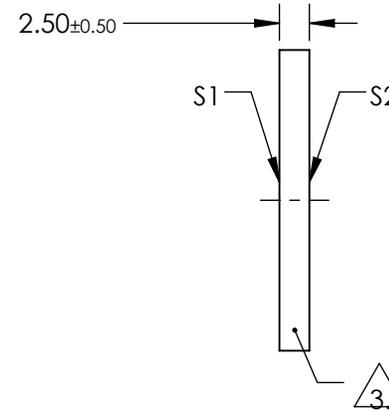
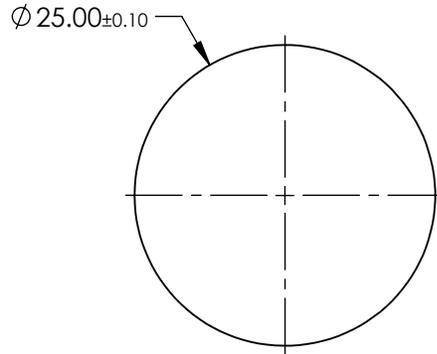
1. SUBSTRATE:
HOYA GLASS: ND-0.3
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



3. FINE GRIND SURFACE

4. OPTICAL DENSITY: 2.5 ±0.05
5. TRANSMISSION (%): 0.3 % AVERAGE FROM 400-700nm
6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

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|-----------------|----------------------|----------------------|------------------------|----|--------|------------------------------------|--------------|
| | S1 | S2 | THIRD ANGLE PROJECTION | | TITLE | OD 2.5, Ø25mm ABSORPTIVE ND FILTER | |
| SHAPE | PLANO | PLANO | ALL DIMS IN | mm | DWG NO | 46216 | 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

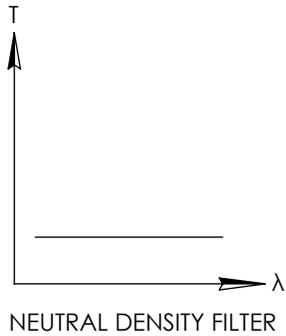
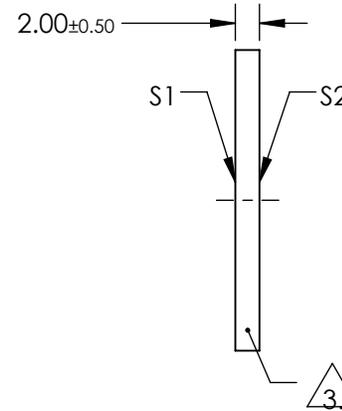
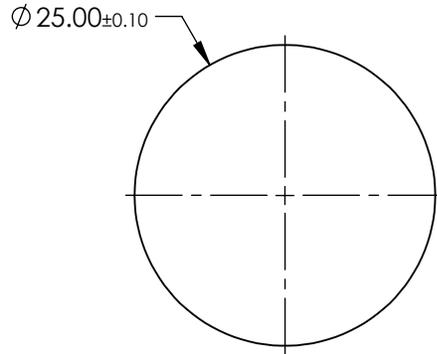
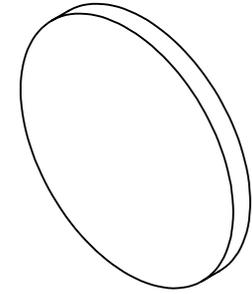
FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

3. FINE GRIND SURFACE

4. OPTICAL DENSITY: 0.5 ±0.05

5. TRANSMISSION (%): 32 % AVERAGE FROM 400-700nm

6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

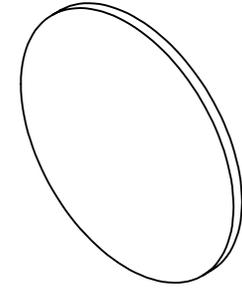
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|-----------------|----------------------|----------------------|------------------------|----|--------|------------------------------------|-----------------|
| | S1 | S2 | THIRD ANGLE PROJECTION | | TITLE | OD 0.5, Ø25mm ABSORPTIVE ND FILTER | |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

NOTES:

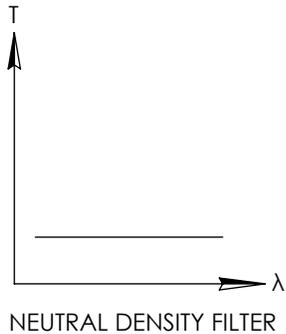
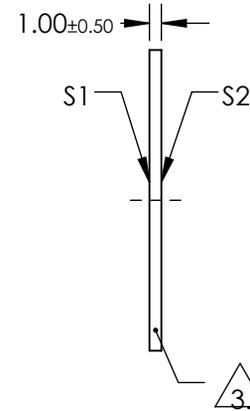
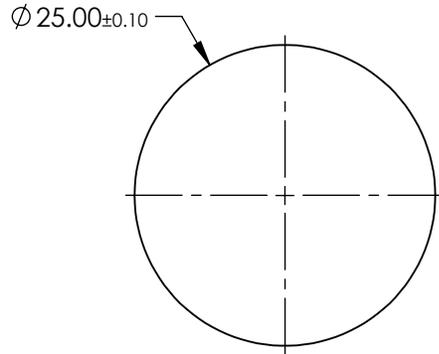
1. SUBSTRATE:
HOYA GLASS: ND-0.3
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

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

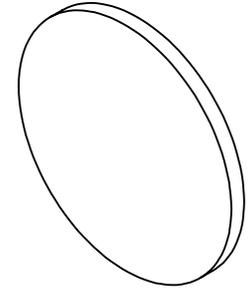
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|-----------------|----------------------|----------------------|------------------------|----|--------|----------------------------------|--------------|
| | S1 | S2 | THIRD ANGLE PROJECTION | | TITLE | OD 1, Ø25mm ABSORPTIVE ND FILTER | |
| SHAPE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

NOTES:

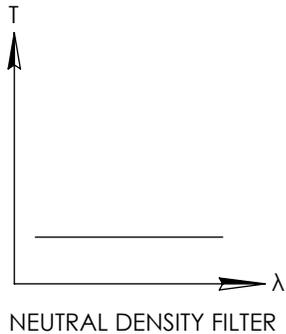
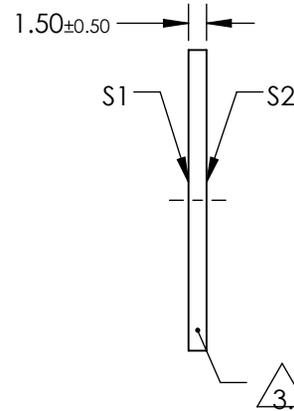
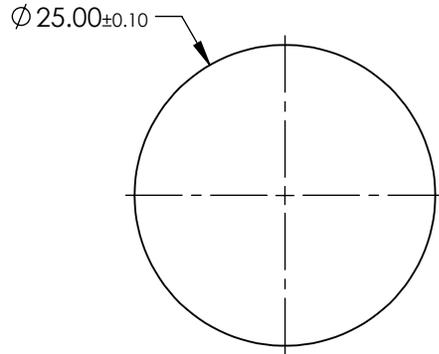
1. SUBSTRATE:
HOYA GLASS: ND-0.3
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

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

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|-----------------|----------------------|----------------------|------------------------|----|--------|------------------------------------|-----------------|
| | S1 | S2 | THIRD ANGLE PROJECTION | | TITLE | OD 1.5, Ø25mm ABSORPTIVE ND FILTER | |
| SHAPE | PLANO | PLANO | ALL DIMS IN | mm | DWG NO | 48091 | 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

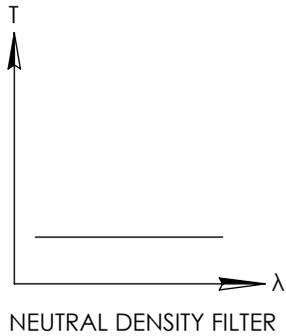
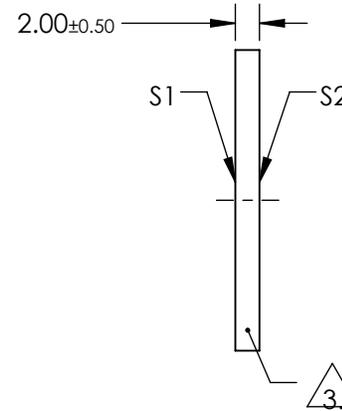
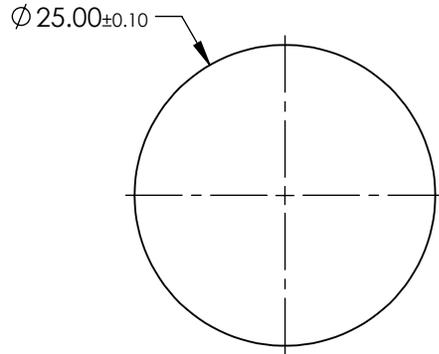
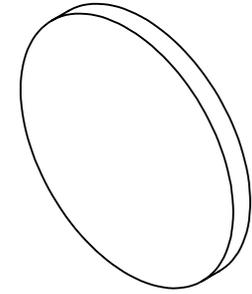
FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

3. FINE GRIND SURFACE

4. OPTICAL DENSITY: 2.0 ±0.05

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

6. ROHS COMPLIANT



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DIMENSIONS ARE FOR REFERENCE ONLY

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|-----------------|----------------------|----------------------|------------------------|----|--------|----------------------------------|-----------------|
| | S1 | S2 | THIRD ANGLE PROJECTION | | TITLE | OD 2, Ø25mm ABSORPTIVE ND FILTER | |
| SHAPE | PLANO | PLANO | ALL DIMS IN | mm | DWG NO | 48092 | 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

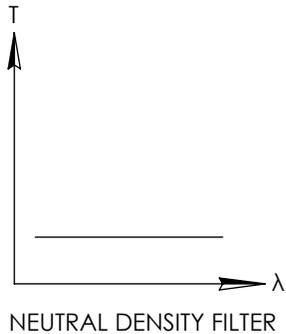
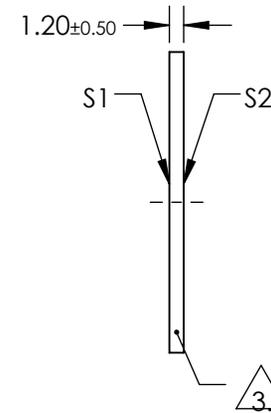
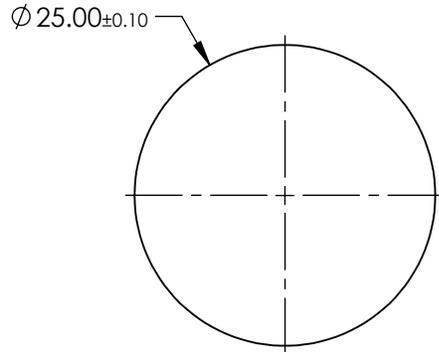
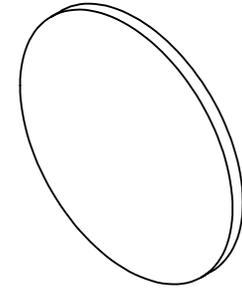
FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

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
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|-----------------|----------------------|----------------------|------------------------|----|--------|------------------------------------|--------------|
| | S1 | S2 | THIRD ANGLE PROJECTION | | TITLE | OD 0.1, Ø25mm ABSORPTIVE ND FILTER | |
| SHAPE | PLANO | PLANO | ALL DIMS IN | mm | DWG NO | 63460 | 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

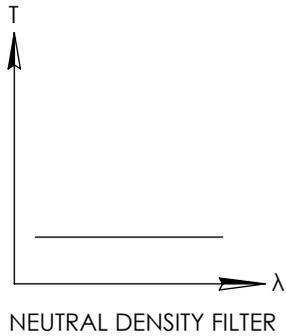
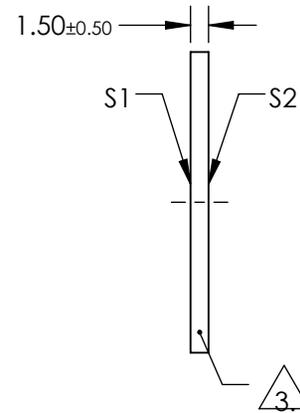
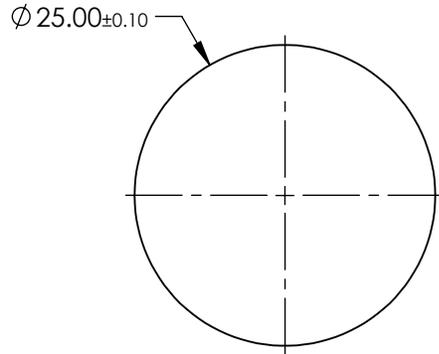
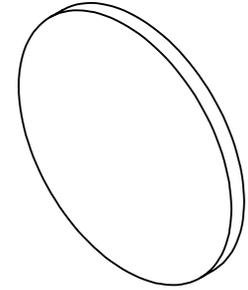
FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

3. FINE GRIND SURFACE

4. OPTICAL DENSITY: 0.2 ±0.04

5. TRANSMISSION (%): 63 % AVERAGE FROM 400-700nm

6. ROHS COMPLIANT



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
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|-----------------|----------------------|----------------------|------------------------|----|--------|------------------------------------|--------------|
| | S1 | S2 | THIRD ANGLE PROJECTION | | TITLE | OD 0.2, Ø25mm ABSORPTIVE ND FILTER | |
| SHAPE | PLANO | PLANO | ALL DIMS IN | mm | DWG NO | 63461 | 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

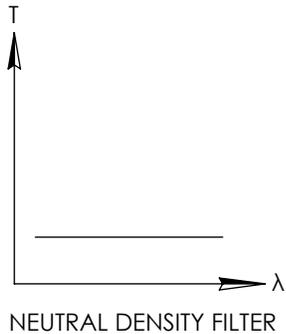
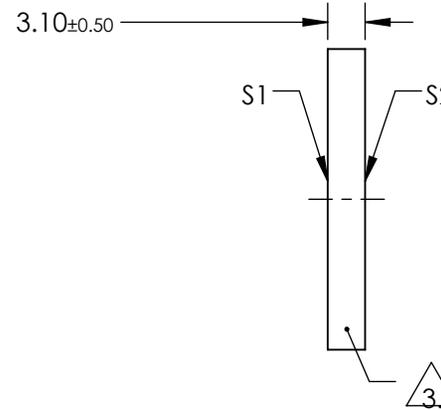
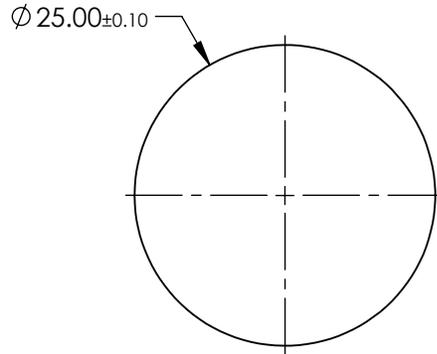
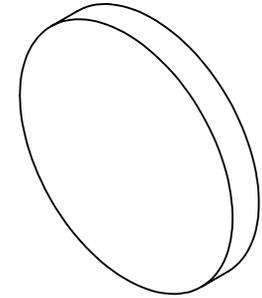
FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

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

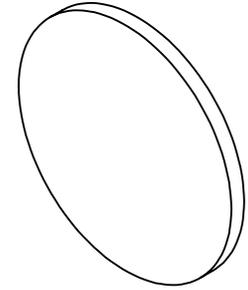
EO® Edmund Optics®

| | | | | | | | |
|-----------------|----------------------|----------------------|------------------------|----|--------|------------------------------------|-----------------|
| | S1 | S2 | THIRD ANGLE PROJECTION | | TITLE | OD 0.7, Ø25mm ABSORPTIVE ND FILTER | |
| SHAPE | PLANO | PLANO | ALL DIMS IN | mm | DWG NO | 63462 | SHEET 1 OF 1 |
| SURFACE QUALITY | 80-50 | 80-50 | | | | | |
| BEVEL | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED | | | | | |

NOTES:

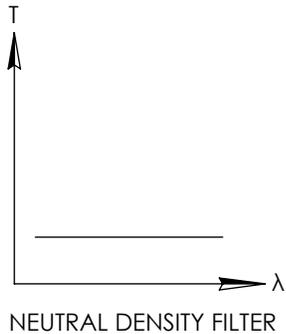
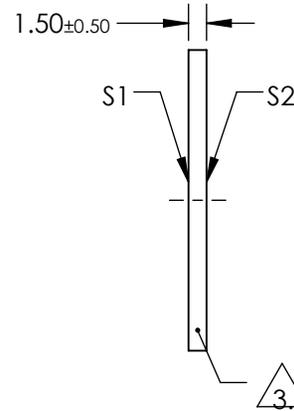
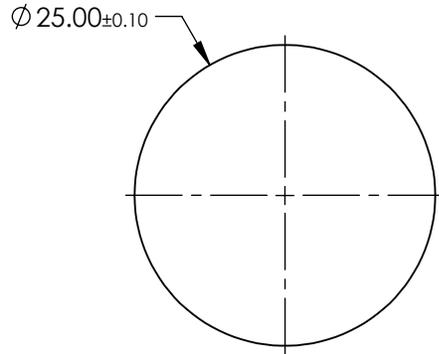
1. SUBSTRATE:
HOYA GLASS: ND-0.3
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN <0.02 mm

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

EO® Edmund Optics®

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